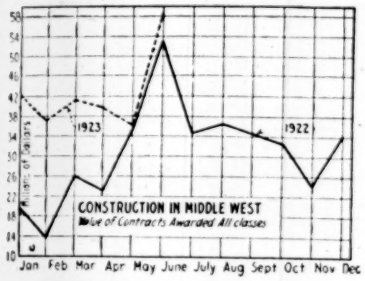
CONSTRUCTION NEWS

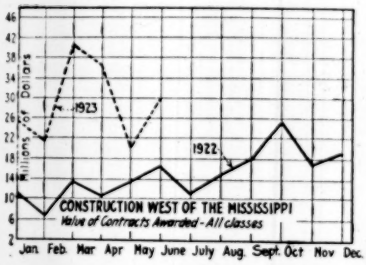
Engineering News-Record, July 19, 1923.

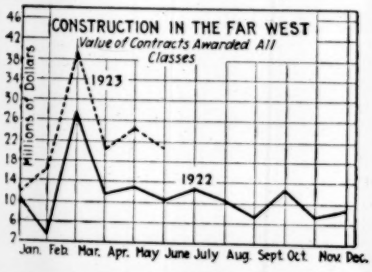
The Construction Barometer

Building Still Active—Gain in Private Work—Prices Unchanged

THAT the construction industry is still active is shown by the upward trend of contracts awarded in three of the six great geographical divisions of the United States. The falling off in New England, the South and in the Far West, however, conform very closely to the 1922 trends. Although June contracts totaled $178,587,000, against $192,032,000 for the preceding month, the May total covers awards published in five issues of *Engineering News-Record*, compared with four during June. Reducing the May total to a four-week basis, comparable with June, shows a gain in the average weekly value of contracts let. Awards during the week ended July 12 gained over the preceding week and were but slightly under the figure for the week ended June 28. Base prices remain unchanged despite the slight let-down in business.


CONSTRUCTION IN MIDDLE WEST
Value of Contracts Awarded All classes
1923
1922
Millions of Dollars
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


CONSTRUCTION WEST OF THE MISSISSIPPI
Value of Contracts Awarded - All classes
1923
1922
Millions of Dollars
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


CONSTRUCTION IN THE FAR WEST
Value of Contracts Awarded All Classes
1923
1922
Millions of Dollars
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

E. N.-R. Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

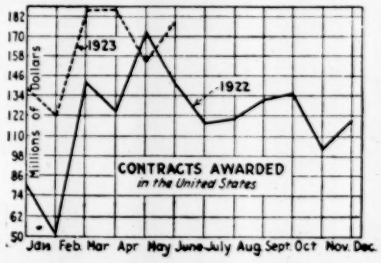
Week Ended	Public Work	Private Work	Total Contracts
June 28	$15,591,000	$39,696,000	$55,287,000
July 5	17,438,000	13,460,000	30,898,000
July 12	26,812,000	27,135,000	53,947,000
3 weeks	$59,841,000	$80,291,000	$140,132,000

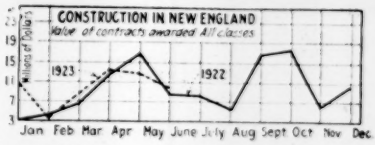
LARGE BUILDING CONTRACTS—NUMBER AND VALUE

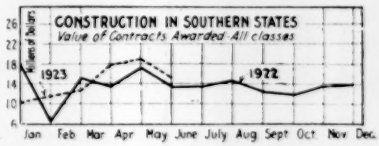
Week Ended	Public No.	Public Work	Private No.	Private Work
June 28	9	$1,375,000	26	$33,530,000
July 5	5	2,794,000	24	6,615,000
July 12	10	2,409,000	32	20,619,000

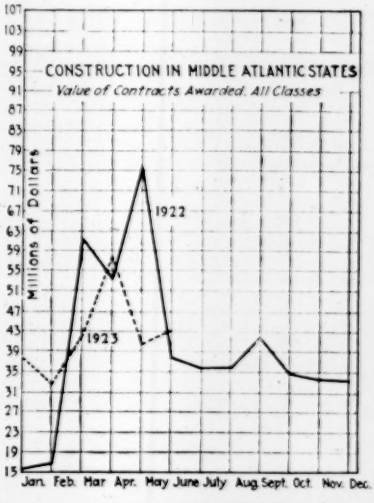
BASE PRICES UNCHANGED DURING LAST TWO WEEKS

	Quoted On July 19, at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$2.50	$2.50 @2.60	June 21
Cement, Chi., net bbl.	2.20	2.05	Feb. 1
Pine, N. Y., M.ft.	58.00	59.00	July 5
Fir, San Fran., M.ft.	41.00	39.00	Apr. 5
Common labor, hr.	.54	.53	June 28




CONSTRUCTION IN NEW ENGLAND
Value of contracts awarded All classes
1923
1922
Millions of Dollars
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


CONSTRUCTION IN SOUTHERN STATES
Value of Contracts Awarded All classes
1923
1922
Millions of Dollars
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec


CONSTRUCTION IN MIDDLE ATLANTIC STATES
Value of Contracts Awarded. All Classes
1923
1922
Millions of Dollars
Jan Feb Mar Apr May June July Aug Sept Oct Nov Dec

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close — See Eng. News-Record

WATERWORKS

July 20 Watertown, N. Y. .....July 12
July 21 Cleveland, O. .....July 12
July 23 Aurora, Ill. .....July 12
July 23 Willmar, Minn. .....July 12
July 24 Brooklyn, N. Y. .....July 19
July 24 New York, N. Y. .....July 19
July 24 Long Island City, N. Y....July 19
July 25 Ft. Worth, Tex. .....July 12
July 30 Tulsa, Okla. .....July 12
July 30 Scranton, Pa. .....July 19
Aug. 1 Raleigh, N. C. .....July 19
Aug. 1 Jackson, Mich. .....July 19
Adv. July 19.
Aug. 6 Stone Harbor, N. J. .....July 19
Adv. July 19.
Aug. 16 Evanston, Ill. .....July 19
Adv. July 19.

Bids Close — See Eng. News-Record

SEWERS

July 20 Millville, N. J. .....July 12
July 23 Leonia, N. J. .....July 12
Adv. July 12 and 19.
July 23 Los Angeles, Calif. .....July 12
July 23 Burlington, Ia. .....July 19
July 24 Toronto, Ont. .....July 12
July 24 Roselle, N. J. .....July 19
Adv. July 12 and 19.
July 24 Park Falls, Wis. .....July 19
July 25 Baltimore, Md. .....July 19
July 25 Ford City, Pa. .....July 19
July 26 Chicago, Ill. .....July 5
July 26 Salisbury, Mo. .....July 19
July 27 Birmingham, Mich. .....July 19
July 27 Sanborn, Minn. .....July 19
July 27 Janesville, Wis. .....July 19
July 30 Los Angeles, Calif. .....June 23
July 30 Madison, S. D. .....July 19
July 30 Huntington, Ind. .....July 19
Adv. July 19.
July 31 Wash., D. C. .....July 12
Aug. 7 Rhinelander, Wis. .....July 19
Adv. July 19.

Bids Close — See Eng. News-Record

Aug. 13 Pensauken (Camden P. O.), N. J. .....July 19
Adv. July 19.
Aug. 13 Arvada, Colo. .....July 12

WASTE DISPOSAL

July 26 Lakewood (Cleveland P. O.), O. .....July 12

BRIDGES

July 21 Cleveland, O. .....July 12
July 21 Waynesburg, Pa. .....July 12
July 23 Arlington, N. Y. .....July 12
Adv. July 12 and 19.
July 23 Requa, Calif. .....July 12
July 23 New York .....July 12
Adv. July 5 to 19.
July 24 Indiana .....July 12
July 25 Kentucky .....July 12
July 25 Bridgeport, Conn. .....June 28
July 28 Charlottesville, Va. .....July 19
Adv. July 19.
July 30 Scarsdale, N. Y. .....July 19
Adv. July 12 and 19.

Bids Close		See Eng. News-Record
July 30	Clintonville, Pa.	July 19
July 31	La Center, Wash.	July 19
July 31	Alabama	July 12
July 31	Illinois	July 19
Aug. 1	Binghamton, N. Y. Adv. June 28 to July 19.	June 28
Aug. 1	Ansonia, Conn. Adv. July 12 and 19.	July 12
Aug. 2	New Jersey Adv. July 19.	July 19
Aug. 6	California	July 19
Aug. 7	Beaumont, Tex. Adv. June 28 to July 19.	July 5
Aug. 10	Murfreesboro, Tenn.	July 19
Aug. 14	Charleston, S. C. Adv. July 12 and 19.	July 5
Aug. 14	Clearwater, Fla. Adv. July 12 and 19.	July 12
Aug. 15	Phila., Pa. Adv. July 5 and 19.	July 5
Nov. 30	Sydney, Australia	Apr. 19

RAILWAYS

July 31	Mexico	July 19

EXCAVATION, DRAINAGE, IRRIGATION

July 23	Canso, N. S.	July 19
July 24	Sanatobia, Miss.	July 19
July 26	New Orleans, La.	June 28
July 30	North Ingonish, N. S.	July 19
Aug. 1	Sioux City, Ia. Adv. July 12 and 19.	July 12
Aug. 1	Brownsville, Tex.	July 19
Aug. 8	Sioux City, Ia.	July 19

STREETS AND ROADS

July 20	New York Adv. July 12 and 19.	July 12
July 20	Michigan	July 5
July 23	New Jersey	July 5
July 23	Escondido, Calif.	July 12
July 23	Michigan	July 12
July 23	Casper, Wyo.	July 12
July 23	San Diego, Calif.	July 12
July 23	Freehold, N. J. Adv. July 12 and 19.	July 12
July 23	White Plains, N. Y. Adv. July 5 to 19.	July 12
July 23	Hillsboro, N. D.	July 12
July 23	Napa, Calif.	July 19
July 23	New York, N. Y.	July 19
July 23	Long Island City, N. Y.	July 19
July 23	St. Paul, Minn.	July 19
July 24	Roselle, N. J. Adv. July 12 and 19.	July 19
July 24	Bluefield, W. Va. Adv. July 19.	July 19
July 24	Columbus, O.	July 19
July 24	Minnesota	July 12
July 24	Huntington, W. Va.	July 12
July 24	Maryland Adv. July 12 and 19.	July 12
July 24	Napoleonville, La.	July 12
July 24	Michigan	July 12
July 24	West Virginia	June 28
July 24	South Dakota	July 19
July 24	Duluth, Minn.	July 19
July 24	Illinois	July 19
July 24	Blackwell, Okla.	July 19
July 25	Boonton, N. J.	July 5
July 25	Kentucky	July 5
July 25	Delaware	July 5
July 25	Virginia	July 12
July 25	Johnson City, Tex.	July 12
July 25	Michigan	July 19
July 25	Auburn, Calif.	July 19
July 25	Oroville, Calif.	July 19
July 25	Florida	July 19
July 25	Oklahoma	July 19
July 25	Chicago, Ill.	July 19
July 25	Brenham, Tex.	July 19
July 25	Parkersburg, W. Va.	July 19
July 25	Long Island City, N. Y.	July 19
July 26	Michigan	July 19
July 26	Michigan	July 12
July 26	Colfax, Ia.	July 19
July 27	Michigan	July 19
July 27	Lockport, N. Y.	July 19
July 27	Williamson, W. Va.	July 12
July 28	New Philadelphia, O.	July 19
July 28	Arcadia, Fla.	July 19
July 28	Pittsburgh, Pa.	July 19
July 30	Pascagoula, Miss.	July 12
July 30	New Jersey Adv. July 19.	July 19
July 30	New York Adv. July 12 and 19.	July 19
July 30	Keyport, N. J. Adv. July 19.	July 19
July 30	Michigan	July 19
July 30	Eldorado, Ark.	July 19
July 31	Alabama	July 12
July 31	Wind Gap, Pa. Adv. July 12 and 19.	July 12
July 31	Michigan	July 19
July 31	Wilton, Pa. Adv. July 19.	July 19
July 31	Maryland Adv. July 19.	July 19
July 31	New York Adv. July 12 and 19.	July 19
July 31	Illinois	July 19
July 31	Washington	July 19
July 31	Barnsdall, Okla.	July 19
Aug. 1	New Jersey Adv. July 19.	July 19
Aug. 2	Tallahassee, Fla. Adv. July 5 to 19.	July 12
Aug. 2	Vicksburg, Miss.	July 19
Aug. 2	New Jersey Adv. July 19.	July 19
Aug. 3	Georgia	July 19
Aug. 3	Canton, Miss.	July 19
Aug. 6	St. Paul, Minn.	July 19
Aug. 6	Sayre, Okla.	July 12
Aug. 7	St. Louis, Mo.	July 12
Aug. 7	Pennsylvania	July 19
Aug. 7	Beaumont, Tex.	July 19
Aug. 8	Pennsylvania	July 19
Aug. 10	Tennessee	July 19
Aug. 11	Grenada, Miss.	July 19
Aug. 14	St. Louis, Mo.	July 19
Aug. 14	Fayetteville, W. Va. Adv. July 19.	July 19
Aug. 14	Clearwater, Fla. Adv. July 12 and 19.	July 12
Jan. 17	Trenton, N. J.	July 12

INDUSTRIAL WORK

July 31	Ossining, N. Y. Adv. July 19.	July 19

BUILDINGS

July 20	Baltimore, Md.	July 19
July 21	Pittsburgh, Pa.	June 28
July 21	Troy, N. Y.	July 19
July 23	Texarkana, Tex.	July 12
July 23	Detroit, Mich.	July 19
July 23	Baltimore, Md.	July 19
July 23	Milwaukee, Wis.	July 19
July 24	Ware, Mass.	July 12
July 24	New York, N. Y.	July 12
July 24	New York, N. Y.	July 19
July 25	Los Angeles, Calif.	July 12
July 25	Troy, N. Y.	July 19
July 25	Columbus, O.	July 19
July 26	Le Mars, Ia.	July 19
July 31	Conrad, Ia.	July 19
July 31	Mt. Vernon, N. Y.	July 5
July 31	Olympia, Wash.	July 19
Aug. 1	Jackson, Miss.	June 21
Aug. 1	Austin, Tex.	July 19
Aug. 6	Syracuse, N. Y.	July 19
Aug. 7	Corsicana, Tex.	July 12
Aug. 9	Granville, O.	July 19
Aug. 10	New Orleans, La.	July 19
Aug. 11	Centerville, Calif.	July 19
Aug. 13	Zanesville, O.	July 19
Aug. 14	Nashville, Tenn.	July 19
Aug. 15	Eagle Lake, Tex.	July 19
Aug. 15	Amsterdam, N. Y.	July 19
Aug. 15	Dallas, Tex.	July 12
Aug. 15	Dallas, Tex.	July 19
Aug. 16	Nashville, Tenn.	July 19
Aug. 21	Hartford, Conn.	July 19
Nov. 1	Ft. Worth, Tex.	July 12

FEDERAL GOVERNMENT WORK

July 23	Lumber—Louisville, Ky.	July 19
July 24	Alterations—Williamsport, Pa.	July 12
July 25	Tower—Annapolis, Md.	July 12
July 25	Screening — San Diego, Calif.	July 12
July 25	Road—San Diego, Calif.	July 12
July 27	Extension—Marion, O.	July 5
July 30	Stone—Detroit, Mich.	July 5
July 30	Breakwater—Alpena, Mich.	July 12
July 31	Dredging—Baltimore, Md. Adv. June 28 and July 19.	June 28
July 31	Remodeling—Albuquerque, N. M.	July 12
Aug. 2	Excavation — Wilmington, Del.	July 5
Aug. 4	Dikes, etc.—New Orleans, La.	July 12
Aug. 4	Jetty—New Orleans, La.	July 19
Aug. 6	Extension—Spartanburg, S. C.	July 12
Aug. 6	Removal—Seattle, Wash.	July 19
Aug. 7	Water System, Neenah, Wis.	July 12
Aug. 7	Driveway—Fond du Lac, Wis.	July 12
Aug. 8	Buildings—St. Juliens Creek, Va.	July 12
Aug. 8	Remodeling—Concord, N. H.	July 12
Aug. 8	Mailing Shed—Ft. Scott, Kan.	July 19
Aug. 9	Lookout — Port Huron, Mich. Adv. July 19.	July 19
Aug. 10	Removal of Pile Protection —Chicago, Ill. Adv. July 19.	July 19
Aug. 10	Lookout—Wheeling, W. Va.	July 19
Aug. 13	Dredging—Baltimore, Md. Adv. July 19.	July 12
Aug. 13	Stamp Cages—New Orleans, La. Adv. July 19.	July 19
Aug. 14	Road—Zion National Park (Springdale P. O.), Utah Adv. July 19.	July 19
Aug. 14	Buildings—Knoxville, Ia.	July 19
Sept. 12	Storage Bins, etc.—Pearl Harbor, H. T.	July 19

MISCELLANEOUS

July 20	Coal Handling System—Everett (Boston P. O.), Mass.	July 19
July 23	Cement—Napa, Calif.	July 12
July 23	Paving Materials—St. Paul, Minn.	July 19
July 23	Clay Floor Tile—St. Paul, Minn.	July 19
July 24	Culvert—St. Louis, Mo.	July 5
July 24	Subway—Phila., Pa.	July 5
July 24	Underground Fire Alarm System—New York, N. Y.	July 19
July 25	Piping—Columbus, O.	July 19
July 27	Pier—Phila., Pa. Adv. July 19.	July 19
July 27	Heating & Ventilating Apparatus—Arverne (Far Rockaway P. O.), N. Y.	July 19
July 27	Heating & Ventilating Apparatus—Brooklyn, N. Y.	July 19
July 27	Heating & Ventilating Apparatus — New Brighton, N. Y.	July 19
July 30	Pier Shed — New York, N. Y.	July 19
July 30	Heating and Ventilating, etc. —Lewistown, Pa.	July 19
Aug. 1	Gas Pipe Line—Texas	July 5
Aug. 31	Cable and Accessories — Melbourne, Australia	June 21
Feb. 28	Headworks — Wellington, New Zealand	May 24

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Binghamton—Plans c.i. mains in Evelyn Pl., Nash, Johnson, Esther, Westcott and Holand Sts. To exceed $15,000. W. E. Weller, city engr.

N. Y., Hammondsport—Bd. Village Trustees plans installing new water supply system. $100,000-$125,000. Address J. H. Brown, supt. Pub. Wks. & Safety.

Pa., Delta—Boro plans rebuilding waterworks pumping plant, recently destroyed by fire. $25,000. Engineer not announced.

N. C., Asheville—See "Streets and Roads."

N. C., Greensboro — City Council authorized $300,000 bond issue for extensions to waterworks system. P. C. Painter, city mgr.

La., West Monroe—C. C. Bell, mayor, and Bd. Aldermen will sell $88,000 bonds July 31 for waterworks improvements.

Mich., Detroit—Bd. Water Comrs. making plans under direction of G. H. Fenkell, genl. mgr., for main extensions as follows: 3½ mi. 24 in. pipe in 8 Mile Rd., 2 mi. 12 in. in Ridge Rd., and 2 mi. 12 in. in 10 Mile Rd. $104,000. T. H. Leisen, Water Works Park, engr.

Mich., Flint—Had plans prepared additions to buildings, filter equipment, settling basins, wash tanks and additions to filtration works, here. F. W. Baldwin, supt.

Mich., Monroe—Had plans prepared filtration plant and equipment, incl. 63 cu.yd. filter gravel, 127 cu.yd. filter sand, 4 rate controllers, 4 strainer systems, 4 operating stands, 12 washwater gutters, 1 dry chemical feed machine, etc. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Ill., Bartlett—Plans water supply system. $50,000. Suhr & Berryman, 105 North Clark St., Chicago, engrs.

Ill., Forest Park (Oak Park P. O.)—Plans mains and reservoir. $180,000. Suhr & Berryman, 105 North Clark St., Chicago, engrs.

Ill., Roselle—Plans waterworks. $50,000. Suhr & Berryman, 105 North Clark St., Chicago, engrs.

Ill., Springfield—Defeated $350,000 bonds for waterworks, incl. high and low service pumps, basins, filters, softening plant, etc. Noted June 21.

S. D., Flandreau—Making plans waterworks improvements incl. mains, wells, pumping station. $26,000 bonds voted Chenoweth, Kennedy & Rettinghouse, Boyce-Greeley Bldg., Sioux Falls, engrs.

Neb., Ft. Calhoun—Soon takes bids water works system. $16,000 bonds voted. Price & Nixon Eng. Co., 501 Peters Trust Bldg., Omaha, engrs. Noted June 21.

Mont., Missoula—Plans election to vote on $600,000 bonds for water system. C. H. Christensen, city treas.

Waterworks (Continued)

Mo., Braymer—July 24 to vote on $49,000 bonds for water system and sewer extensions.

Okla., Slick—Having plans prepared wells, water distributing system, elevated tank and tower, etc., $40,000. Gantt & Baker, 1st Natl. Bank Bldg., Oklahoma City, engrs.

Wash., Dash Point—Voters of Dash Point, Northeast Tacoma, Hyada Park, Tood Haven and surrounding territory, authorized $168,000 bonds for new water system. $75,000 will be spent first year.

Calif., Monrovia—Plans to vote on $60,000 bonds enlarging waterworks system.

Tex., Sweetwater—July 28, to vote on $35,000 bonds for waterwors improvements incl. filtration plant for water supply from Lake Trammell. M. Boothe, mayor.

Ont., Toronto — York Twp. soon takes bids 6 in. c.i. mains in Montcalm, Gilbert, Warren, College View, Fife and Westbrooke Aves., Russell Hill Rd. and Chaplin Crescent. $29,250. Owner will purchase pipe, valves and hydrants. F. B. Goedike, 40 Jarvis St., engr.

Ont., Walkerton—Council plans to erect standpipe, build pump house, install gasoline operated pumps, and repair reservoir. $35,000. F. B. James, Walkerton, engr.

BIDS DESIRED

N. Y., Brooklyn—July 24, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Rockaway Blvd.

N. Y., Long Island City—July 24, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Ave. D, Huntley Dr., Bradford Pl., Newtown, 58th and head of Vleigh Rds., Woolsey, 12th, Gardiner, Hammel, Mauriac, 12th, 32nd, 34th and 59th Aves., Chauncey, Crescent, Howland, Merchant, Sunswick, 15th, 118th, 164th, 165th, 189th and 206th Sts., here.

N. Y., New York—July 24, by J. Miller, pres. Manhattan Boro, Municipal Bldg., mains in Madison, Pinehurst, Woolsey and 12th Aves., Chauncey and Crescent Sts., etc.

N. J., Stone Harbor—Aug. 6, by C. A. Krouse, mayor, and Boro Council, pumping station, rein.-con. reservoir, etc. J. L. Sweigard, 1120 Lincoln Bldg., Phila.; engr.; adv. this issue.

Pa., Scranton—July 30, by W. G. Watkins, controller, Lackawanna Co., equipment and construction reservoir, pump house and complete water system for new tuberculosis hospital at West Mountain. D. Morgan, Connelly Bldg., engr.

Va., Blackstone — Taking bids pumping machinery and power equipment for waterworks. Engineer not announced.

N. C., Raleigh—Aug. 1, by City Comrs., equipment necessary to increase pumping capacity of water system from 3,500,000 gal. to 5 m.g. daily, involving concrete basin, 4 new filter tubes of 500,000 gal. capacity each, enlargement of present facilities, etc. $350,000. C. C. Page, engr. and comr. pub. wks.

O., Columbus—See "Streets and Roads."

Mich., Jackson—Aug. 1, by City Clerk, storage reservoir and wells. C. Crary, city mgr.; adv. this issue.

Ill., Evanston—Aug. 16, by Comn. of Pub. Wks., enlarging water filtration plant, Divs. A and B. H. P. Pearsons, mayor; adv. this issue.

BIDS RECEIVED

Wis., Ft. Atkinson—Brick, rein.-con. and steel pumping station, from W. H. Deason, 357 Washington Bldg., Madison, $7,790; rein.-con. reservoir, 60 ft. diameter, 15 ft. deep, from T. S. Willis, 330 Hayes Blk., Janesville, $8,214. Noted June 28.

CONTRACTS AWARDED

N. Y., Fairport—Furnishing 10 mi. 12 in. and 1 mi. 16 in. pipe and fittings, to Central Fdry. Co., Jersey City, N. J., $155,540; laying above pipe to Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., $47,990; rapid sand rein.-con. filtration plant, to Norwood Eng. Co., Florence, Mass., $12,737; 30 ft. standpipe to Chicago Bridge & Iron Wks. Co., 608 South Dearborn St., Chicago, Ill., $7,500; earthen dam, to Hines & McCabe, Rochester, $68,020. Noted June 7.

W. Va., Huntington—Paving Washington Ave. from 18th St. to 22nd St., brick on concrete, to Duncan, Griffith & Co., 1305 Adams Ave., $25,768.

Tenn., Madisonville—Complete water system, to F. Cantrell Co., Inc., 607 Market St., Chattanooga, $37,500; sublet tower and tank, to Chicago Bridge & Iron Co., Atlanta, $5,400; distribution system to W. A. Coates Constr. Co., Columbus, Ga. $17,132. Engrs. est. $35,000.

O., Cleveland—Cuyahoga Co. water improvements in Co. Sewer Dist. 29, to T. P. Egan, Caxton Bldg., $14,339; Co. Sewer Dist. 40, to Kassouff & Co., 3182 West 25th St., $21,546. Work involves 6,200 ft. 8 in. c.i. pipe.

O., Cleveland—For 1,045 tons c.i. mains in Random Rd. (Baldwin-Fairmount Project) Contr. 31, to Joseph Co., 877 Orange Ave., $146,245. Noted July 5.

O., Columbus—See "Streets and Roads."

O., Grandview Heights (Columbus, P. O.)—E. Gross, village clk., 16,580 ft. 6 in. c.i. mains in Parkway N. Parkway Dr., Timberman and Copeland Rds., Goodale and Northwest Blvds., Thomas Mulford, Dover, Norton, Holley and 2nd Aves., to Cleveland Trinidad Paving Co., Grand Theatre Bldg., Columbus, $35,981. Noted June 28.

Wis., Little Chute—Pumping station and reservoir, to Appleton Constr. Co., Odd Fellows Bldg., Appleton, $9,900; 100,000 gal. steel tank, 100 ft. steel tower and foundation, to Pittsburgh, Des Moines Steel Co., 10th and Tuttle Sts., Des Moines, Ia., $10,000; drilling deep well, to J. J. Faust & Son, Kaukauna. Bids rejected on excavation, laying mains and back filling. Noted June 7.

Minn., Emmons—See "Sewers."

Minn., Hutchinson — Waterworks improvements, 125,000 gal. steel tank on 100 ft. tower, to Minneapolis Steel & Mchy. Co., 2854 Minnehaha Ave., Minneapolis, $13,100; one 300 g.p.m. centrifugal service pump and two 500 g.p.m. centrifugal booster pumps, to Worthington Pump & Mchy. Corp., 1017 Commerce Bldg., St. Paul, $4,446; 16 in well, to McCarthy Well Co., Wabash and Eustic Sts., St. Paul, $2,160. Noted June 21.

S. D., Esmond—For 3,500 lin.ft. 4 in. c.i. mains, centrifugal pump, and one 20 hp. Fairbanks-Morse oil engine, to Bruce-Bickelhaupt, Yankton, $8,384; steel tower and tank, to Pittsburgh-Des Moines Steel Co., 10th and Tuttle Sts., Des Moines, Ia., $5,450; rejected bids for pumphouse with underlying concrete reservoir, city will build by day labor. Noted June 14.

Mo., King City—New waterworks system, to Beeson Mchy. Co., 308 Mutual Bldg., Kansas City, $50,377. Noted May 3.

Tex., Crockett—See "Streets and Roads."

Utah, Milvale—To Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., 845 tons c.i. pipe $47.75 per ton, Birmingham.

Que., Montreal—For 6 m.g. electric pump, to E. Laurie Co., 243 Bleury St., $20,900. Noted June 7.

Ont., New Toronto—Pub. Utilities Comn., 1,100 ft. steel waterworks intake, flexible joints to Canadian Consolidated Rubber Co., Ltd., 1 Front St. E, Toronto; steel pipe to Horton Steel Wks., Ltd., Bridgeburg, $9,970; installing and laying to Federal Constr. Co., Ltd., 331 Bay St., Toronto, $36,800. Noted June 14.

Sewers

PROPOSED WORK

N. C., Asheville—See "Streets and Roads."

La., West Monroe—C. C. Bell, mayor, and Bd. Aldermen will sell $87,000 bonds July 31, for sewers.

O., Botzum (Ira, P. O.)—City of Akron purchased site and plans 2 story sewage disposal plant, here. $1,000,000 bonds voted. Metcalf & Eddy Eng. Co., 14 Beacon St., Boston, Mass., engrs.

O., Marietta—Making plans 10,910 ft. 4-12 in. vitr. clay sewer in 1st Sewer Dist. C. A. Stone, City Hall, engr.

Mich., Detroit—Making preliminary plans constructing Allen Drain for newly acquired city zoological gardens, about 2 mi. of 4-8 ft. brick, segment block or monolithic concrete. $300,000. J. W. Reid, city engr.

Ia., Atlantic—Making plans storm sewers in various streets. $44,000. J. Mayne, Atlantic, engr.

Minn., Austin—Plans sewers and disposal plant. $206,698. Greely & Hanson, 39 West Adams St., Chicago, engrs.

Mo., Braymer—See "Waterworks."

Tex., Grand Prairie — City Com. will probably take bids in August complete sewerage system. $35,000 bonds voted. Koch & Fowler, 606 Central Bank Bldg., Dallas, engrs. Noted May 24.

Tex., San Angelo—Making plans new sewage disposal plant and mains complete, gravity flow, to replace privately owned plant. $150,000-$200,000. W. T. Mantell, city engr.

Calif., Oakland—City to appropriate $208,000 for sewers in Yerba Buena Ave.; $103,500 outlet sewer in 7th St.; $70,000 storm sewers in Fruitvale Ave.; $40,000 outlet sewers in Piedmont St.; $15,000 sanitary sewers in Fruitvale Ave.; $85,000 storm sewers in Elmhurst Dist.

BIDS DESIRED

N. J., Pensauken (Camden P. O.)—Aug. 13, by Township Com., Cove Rd. and Center Sts., sewage disposal plant, etc. R. V. Peabody, twp. clk.; adv. this issue.

N. J., Roselle—July 24, by Boro Council constructing sewers. W. M. Van Wagner, boro engr.; adv. this issue.

Pa., Ford City—July 25, by boro, 2,000 ft. 24 in. terra cotta pipe from Ally River under Pennsylvania R.R. tracks to 1st St., along 5th Ave. to 5th St., along 4th, 3d and 1st Aves. to 5th St. $80,000. Douglas & McKnight, Columbia Bank Bldg., Pittsburgh, engrs.

Md., Baltimore—July 25, by Bd. Awards, sanitary sewers, etc., in Dist. 25, 14,795 ft. 8-15 in. vitr. pipe sewer, 5,750 ft. 5 and 6 in. vitr. pipe house connections 480 lin.ft. c.i. pipe house connections, 117 manholes. $90,000. B. L. Crozier, City Hall, highway engr.

O., Columbus—See "Streets and Roads."

Ind., Huntington—July 30, at office of Bd. Pub. Wks., constructing intercepting sewer along and adjacent to Little River, etc.; adv. this issue.

Mich., Birmingham—July 27, by Village Clerk, furnishing and installing 2,025 ft. 20 in., 1,264 ft. 18 in., 2,306 ft. 15 in. and 347 ft. 10 in., vitr. crock sewer. $25,000.

Wis., Janesville—July 27, by C. V. Kerch, city engr., 12,141 ft. 8-10 in. vitr. and 643 ft. 30 in. concrete sewer. $35,000-$40,000.

Wis., Park Falls — July 24, by J. J. Stauber, city clk., 7,000 ft. of 8 in. vitr. clay sanitary sewers. $25,000. W. F. Reichardt, Main St., Watertown, engr.

Minn., Sanborn—July 27, by city, sanitary sewerage system, 1,700 lin.ft. 8 in. and 1,930 lin.ft. 10 in. sewer, 11 manholes, 1 sewer outfall. $25,000. O. D. Fraser, clk. Toltz, King & Day, 1410 Pioneer Bldg., St. Paul, engrs.

Wis., Rhinelander—Aug. 7, by City Clerk, constructing sewerage system. Pearse, Greeley & Hansen, 39 West Adams St., Chicago, Ill., engrs.; adv. this issue.

Ia., Burlington—July 23, sewage disposal plant, incl. Imhoff tank, sprinkling filter, sludge bed, ejector station. H. A. Vollmer, city engr.

S. D., Madison—July 30, sewage disposal plant, 1 rein.-con. Imhoff tank, sludge bed and 8 sand filters. C. A. Trimmer, city engr.

Mo., Salisbury—July 26, by City Clerk, 8 mi. 8-10 in. sanitary sewers and 2 disposal plants. $50,000. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs. Noted June 21.

BIDS RECEIVED

Pa., Grove City—Sewage disposal plant, from Carson Eng. Co., Butler, $49,112. Noted June 2.

Calif., Los Angeles—For 1 mi. 7 ft. pipe for ocean outlet of outfall sewer, from Llewellyn Iron Wks., 1200 North Main St., c.i. pipe $582,264; B. B. Boyd, Los Angeles, rein.-con. pipe, $139,978. Noted June 21.

O., Cleveland—For 1,135 ft. 5 ft. 9 in. and 765 ft. 5 ft. 6 in. circular "E" brick sewer in East 141st St., from G. Darwich, 9214 Kempton Ave., $38,738; 700 ft. 5 ft. and 680 ft. 3 ft. circular "E" brick sewer in Bessemer Ave., from W. McDowell & Son Co., 10309 Miles Ave., $60,995; 2,751 ft. 12-24 in. vitr. tile sewer in Catalpa Rd., from Yahya Bros., Independence Rd., $13,921.

CONTRACTS AWARDED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, timber supports Sect. 1, Fort Hamilton Parkway, to Necaro Co., Inc., 97 Court St., $153,300. Noted June 28.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, sewer in Church St., to Necaro Co., Inc., 97 Court St., 100.97% engrs. est. ($269,436); 64th St., to M. Tozzi, 1362 63rd St., 88.75% ($7,145); 83rd and Lake Sts., to Nazzaro & Querriero, 88% ($6,586) and 87.79% ($4,609) respectively; East 31st St., to Tomasetti & Co., Inc., 1133 60th St., 86% ($4,834); Sedgwick Pl., 54th St. and 2 sections of East 10th Sts., to Manmill Constr. Co., 2035 Douglas St., 97% ($2,443), 98% ($3,602), 87.5% ($1,600), and 87.5% ($1,600) respectively; Beverly Rd., to J. McBride, 100% ($400). Noted June 28 and July 5.

N. J., Belleville—See "Streets and Roads."

O., Akron—W. F. Peters, dir. Pub. Serv., 790 ft. 30 and 39 in. segmental block and 890 ft. 12-24 in. vitr. sewer in Aqueduct St., also 400 ft. 30 in. segmental block and 1,010 ft. 12-20 in. vitr. sewer in North Main St., to E. and W. McShaffrey Co., 574 Rhodes Ave., $13,578 and $10,088 respectively; 550 ft. 8-20 in. vitr. sewer in Bye St., to Shullo Constr. Co., 932 2nd Natl. Bank Bldg., $8,358. Noted July 12.

O., Columbus—See "Streets and Roads."

O., Garfield Heights (Cleveland P. O.)—For 7,000 ft. 30 and 36 in. segmental block

Sewers (Continued)

outfall sewer, to Manson Co., Sewer Contractors Exch., The Arcade, Cleveland, $78,363.

Mich., Royal Oaks—For 19,000 ft. 12-42 in. vitr. crock sewer, to Hammen & Co., 4612 Woodward Ave., Detroit. $63,000.

Mich., Detroit—Hellner Realty Co., 2348 Penobscot Bldg., for 9,826 ft. 12-42 in. vitr. crock sewers and brick manholes, Dearborn Twp. subdivision, to Cusino-Mercier Co., Springwells. $32,000.

Ia., North English—For 5,500 lin.ft. 8-12 in. sewer, to McElliott Co., Evanston, Ill., $14,115; disposal plant, to Gjellefald-Chapman Constr. Co., Forest City, $13,395. Noted June 14.

Minn., Emmons— Sewer main and water pipe laying to O. Johnson, Alden, Ia., $17,000; wells, pumps, steel tank, to Gjellefald-Chapman Constr. Co., Forest City, Ia., $13,950. Noted June 14.

Mo., St. Louis—Bd. Pub. Serv., City Hall, South Gravois Dist. Sewer 4, to United Constr. Co., Pontiac Bldg., $22,391; Harlem Sewer 18, to Hogan Contg. Co., Chemical Bldg., $56,286; Rock Creek Dist. Sewer 8, to Blackburn & Crean, Syndicate Trust Bldg., $20,679; Arloe Dist. Sewer 3, to Grant-Meinert, Arcade Bldg., $11,588; Grand Ave. Dist. Sewer 27, to Frazier-Davis Constr. Co., Arcade Bldg., $5,959; Sublette Ave. Sewer, to G. G. Prendergast, 6157 Wagner Ave., $20,406. Noted July 12.

Ont., Owen Sound—For 5,000 ft. 12-42 in. vitr. tile and rein.-con. sewer, to J. E. Russell Co., Ltd., Harbor Comn. Bldg., Toronto; laying pipe to Mitchell Constr. Co., Ltd., 43 Elmwood Ave., London.. Engrs. est. $40,000. Noted Feb. 8.

Waste Disposal

PROPOSED WORK

Calif., Marysville—City will appropriate $12,000 for incinerator. J. O. Wanzer, city mgr. Noted Apr. 26.

Bridges

PROPOSED WORK

N. Y., Mayville—Town of Chautauqua and Pennsylvania R.R., Broad St. Sta., Phila., plan new bridge, here. $50,000. Engineer not announced.

N. Y., Watertown—Power Corp. of New York, Light and Power Bldg., plans steel bridge over Skate Creek on Flat Rock-Browns Falls Rd. $50,000. Address W. P. McCreager, Northern New York Trust Co. Bldg., ch. engr.

N. C., Jefferson—See "Streets and Roads."

Louisiana—Federal Government, State, Parish of Ouachita and city of Monroe, having surveys made new bridge across Ouachita River, between Monroe and West Monroe. $1,000,000-$1,500,000. N. E. Lant, Baton Rouge, state bridge engr. J. S. Reynolds, Monroe, city engr.

Tenn., Smithville— DeKalb Co. making surveys bridge over Caney Fork River, probably steel and rein.-con.

Kentucky— State Hy. Dept., Frankfort, and Dix River Power Co., plan steel truss highway bridge over Dix River near Danville. $65,000.

Ohio— See "Streets and Roads."

Missouri — State Hy. Dept., Jefferson City, plans one 80 ft. steel truss and six 20 ft. rein.-con. slab spans, etc., over Bonne Femme Creek, Howard Co.; one 40 ft. rein.-con. deck girder, and six 20 ft. rein.-con. slab spans, etc., over Moniteau Creek, Howard Co.; one 80 ft. steel truss, ten 40 ft. rein.-con. deck girder, and four 20 ft. rein.-con. slab spans, over Salt Creek and tracks of Missouri, Kansas & Texas Ry., Howard Co.; three 60 ft. steel truss and four 16 ft. rein.-con. slab spans, etc., over Perche River, Boone Co.; 10 ft. rein.-con. slab span, and 2 rein.-con. abutments, over stream, Howard Co.; two 12 ft. and six 10 ft. rein.-con. slab spans, etc., over stream, Boone Co.; one 30 ft. rein.-con. deck girder span over Hampton Branch, one 30 ft. rein.-con. deck girder span over stream, and one 30 ft. rein.-con. deck girder span over Sutton Branch, Iron Co.; one 20 ft. rein.-con. slab span, etc., over stream, one 30 ft. rein.-con. deck girder span, etc., over Midway Creek, Barton Co. B. H. Piepmeier, state highway engr.

Okla., Newkirk—Kay Co. election Aug. 10, to vote on $600,000 bonds to rebuild 29 bridges. L. A. Cann, co. comr.

Wash., Seattle—See "Streets and Roads."

Calif., Fresno—Fresno Co. plans to construct small concrete bridges. To exceed $25,000.

Calif., San Rafael—Marin Co. plans to replace various wooden bridges with concrete structures. $246,500.

Canada—Canadian Pacific R.R., Windsor St., Montreal, Que., soon takes bids 40 ft. double plate girder span on Timiskaming subdivision, Ontario, and 85 ft. pony span over coal creek, New Brunswick Div. J. M. R. Fairbairn, ch. engr.

Ont., Welland—Wainfleet Twp. soon takes bids 14 ft. concrete slab, 100 ft. through Pratt steel truss, and 72 ft. Warren steel truss bridges on concrete abutments, concrete floors, 18 and 20 ft. wide. $40,000. Ross & Scott, McCaw Blk., engrs.

BIDS DESIRED

N. Y., Scarsdale — July 30, by Bronx Parkway Comn., 72 West Pondfield Rd., Bronxville, constructing Bronx River Parkway Dr. Bridge 26 across Bronx River, about ½ mi. south of Scarsdale Station. L. G. Holleran, deputy ch. engr.; adv. this issue.

New Jersey—See "Streets and Roads."

New Jersey—Aug. 2, by State Hy. Dept., Trenton, 3 span steel encased bridge over Lehigh & Hudson River Ry., on State Highway Route 5, in municipality of Independence, Warren Co., here. A. L. Grover, ch. clk.; adv. this issue.

Pa., Clintonville—July 30, by Comrs. Venango Co., (Franklin), raising bridge, here, and replacing floor of same with creosoted yellow pine paving blocks, or with yellow pine joists, set on edge and covered with asphalt. $25,000. F. Tate, co. comr.

Va., Charlottesville—July 28, by B. A. Bennett, city mgr., rein.-con. bridge on Rugby Rd.; adv. this issue.

Georgia—See "Streets and Roads."

Miss., Grenada—See "Streets and Roads."

Tennessee—See "Streets and Roads."

Tenn., Murfreesboro—Aug. 10, by State Hy Dept., Nashville, 280 ft. rein.-con. bridge, 5 spans, over Stones River, near here, Federal Aid Project 96, Rutherford Co. $25,000. J. C. Creveling, Nashville, comr.

Illinois—July 31, by Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, 14 slab bridges 10-30 ft. spans, 24 girders, 30-60 ft. spans, 9 steel, 85-200 ft. spans and 8 concrete culverts, 6-12 ft., involving 14,679 cu.yd. concrete, 1,473,670 lb. steel. C. H. Older, ch. highway engr.

California—Aug. 6, by State Hy. Comn., Sacramento, bridge over Whitewater River, near Whitewater, Riverside Co., eight 54 ft. rein.-con. girder spans with concrete piers, abutments and wing walls, 1,975 ft. earth dykes with rein.-con. slope paving, ½ mi. approach roadway paved with concrete, etc. R. M. Morton, state highway engr.

Wash., Hoquiam—July 31 to vote on $250,000 bonds constructing bridge across Hoquiam River. F. C. Black, city engr.

Wash., La Center—July 31, by State Hy. Comn., Olympia, 1,151 ft. rein.-con. bridge over south fork of Lewis River, here. J. Allen, ch. highway engr.

BIDS RECEIVED

New Jersey—State Hy. Dept., Trenton, 2 span steel and concrete bridges 42 ft. long, 34 ft. wide, on Route 4, in Cedar Creek, Ocean Co., from Gibbs-Mueller, 215 South Broad St., Phila., $36,633; 1 span rein.-con. slab bridge, 22 ft. span, 34 ft. wide, over Primrose Brook, Route 16, Morris Co., from Hoffman Constr. Co., Morristown Rd., Bernardsville, $5,672. Noted June 28.

New Jersey — Essex Co. (Newark) and Hudson Co. (Jersey City) reconstructing bridge deck, over Passaic River, Jackson St., from J. Befumo, East Orange, $45,324. Engrs. est. $60,000.

Alabama—State Hy. Dept., Montgomery, bridges on Jasper-Marion Co. line Rd., one 120 ft. steel span, remainder concrete girders, from Newell Constr. Co., 3828 Ave. A, Birmingham, $76,697; bridges on Marion-Dallas Co. line Rd., from Kenan & Kyser, Selma, concrete $35,399, from S. B. Boyd, Columbia, Miss., timber $17,732, concrete $36,797. Noted June 21.

O., Akron—W. F. Peters, dir. Pub. Serv., Delaware Bldg., 685 ft. rein.-con. girder bridge, 60 ft. wide, West State St., from T. E. McShaffrey Constr. Co., 171 South Forge St., with standard brick paving, cement filler and and waterproofing $160,751, standard brick paving, asphalt filler and waterproofing $160,751, sheet asphalt paving Plan B trinidad, brick gutter cement filler $157,354, sheet asphalt paving Plan B Texaco, brick gutter, cement filler $156,974. Noted June 21.

Missouri—State Hy. Dept., Jefferson City, July 6, four 80 ft. steel truss spans, etc., over Salt River, (on 15-21 Shelby, which means **State Project Route** 15, Sect. 21, **Shelby Co.**), from Dildine Bridge & Constr. Co., Hannibal, $34,930; two 150 ft. steel truss, four 40 ft. rein.-con. deck, and two 20 ft rein.-con. slab spans over Grand River, **6-17, Daviess,** also eleven 20 ft. rein.-con. slab spans, etc., over overflow of Grand River, **6-17, Daviess,** from Western Bridge & Constr. Co., 750 Peters Trust Bldg., Omaha, Neb., $61,519 and $17,297 respectively; one 40 ft. rein.-con. deck girder span over Mill Race, **1-96, Jasper,** also one 75 ft. steel truss and four 20 ft. rein.-con. slab spans over Muddy Creek, five 20 ft. rein.-con. slab spans, etc., **1-91, Barton,** from Carterville Constr. Co., Carterville, $5,386 and $23,977 respectively; one 40 ft. rein.-con. deck girder span, **3-8, Mercer,** from Cameron Joyce Co., Keokuk, Ia., $7,435; one 40 ft. and four 20 ft. I-beam spans over Muddy Creek, two 40 ft. I-beam spans, etc., over Muddy Creek Drainage Ditch, one 40 ft. and four 20 ft. I-beam spans over Little Muddy Creek, two 10 ft. rein.-con. slab spans over stream, two 10 ft. rein.-con. slab spans, Sta. 30, plus 95, **6-17, Daviess,** from E. Euler, Perry, Kan., $31,441; one 120 ft. steel truss span, etc., over River Des Peres, **14-85, St. Louis,** from Pub. Wks. Constr. Co., St. Louis, $15,268; one 120 ft. steel truss span, etc., over Bailey Creek, **43-9, Stone,** from Short & Bramer, Monett, $14,554; one 50 ft. steel truss span over Spring Creek, **19-21, Dent,** from Jones & Lenox, St. James, $7,313; three 20 ft. rein.-con. slab spans, etc., over Pine River Creek, **43-6, Stone,** from R. H. Sharp, Reads Springs, $4,870; cleaning and painting steel work on two 200 ft. and two 100 ft. steel truss spans, **9-70, St. Louis,** from C. Pearson, Jefferson City, $800. Noted June 28.

California—Yolo Co., (Woodland), and Solano Co., (Fairfield), 337 ft. rein.-con. bridge, two large and 2 small rein.-con. spans, over Putah Creek, from J. L. Webster, Chico, $41,230. Noted July 5.

CONTRACTS AWARDED

Fla., Sulphur Springs—State Rd. Dept., Tallahassee, rein.-con. bridge over Hillsboro River, here, 4 spans, arch design, 30 ft. roadway, to Mugge Constr. Co., Bay View Hotel, Tampa, $61,105. Noted July 5.

Alabama—State Hy. Dept., Montgomery, treated timber bridges on road from Montgomery Co. line to Luverne, to Fountaine & Myers, Hattiesburgh, Miss., $30,063.

Ia., Clarinda—Page Co., 7 I-beams, 2 pony trusses and 7 box culverts, to G. W. Condon, 510 Farnam Bldg., Omaha, Neb., $83,593. Bids on other items rejected, county will probably build by day labor. Noted June 7.

Ia., Le Mars—Plymouth Co., 37 culverts and extensions on Federal Aid Project 192, to Ward & Weighton, 516 Davidson Bldg., Sioux City, $26,797.

Ia., Oskaloosa—Mahaska Co., 4 span steel and concrete bridge east of Rose Hill, to Miller-Fifield Constr. Co., Waterloo, $44,000 exclusive of piling. Engrs. est. $45,000.

California — State Hy. Comn., Sacramento, rein.-con. bridge near San Mateo, to J. H. Shephard, Yosmite Bldg., Stockton, $49,012. Noted June 14.

Dams

PROPOSED WORK

N. Y., Altmar—See "Miscellaneous."

N. Y., Shushan—State had plans prepared 85 ft. concrete dam across Battenkill River, 34,000,000,000 cu.ft. water, here. $1,600,000. Hudson River Regulating Comn., Albany, engrs.

N. Y., Watertown—See "Miscellaneous."

CONTRACTS AWARDED

N. Y., Fairport—See "Waterworks."

Railways

PROPOSED WORK

Pennsylvania—Scranton Ry. Co., 234 Lackawanna Ave., plans extension of Washington St. car line into Keyser Valley and West Mountain Dist. $25,000. Engineer not announced.

California—Union Pacific Ry. Co., 610 South Main St., Los Angeles, having plans prepared 3 mi. cut-off freight line in vicinity of Long Beach. To exceed $450,000. R. L. Huntley, Omaha, Neb., ch. engr.

Nova Scotia—Dominion Coal Co., North Sydney, soon takes bids constructing electric railway from North Sydney to Baddeck, thence to English Harbor in one direction and to Iona on Canadian National R.R. in other. V. MacFadden, North Sydney, engr.

Railways (Continued)

BIDS DESIRED

Mexico—July 31 by Director Natl. Rys. of Mexico, Mexicali, 34 mi. railroad to Gulf of California, (first section of project). Correspondent reports unable to confirm.

CONTRACTS AWARDED

New Jersey—Bd. Comrs. city of Nutley, reconstructing 6,000 lin.ft. double track electric railway tracks, furnishing new rails, ties and ballast, also laying between tracks 11,750 sq.yd. reclipped granite block on concrete on Franklin Ave. between Centre St. and Kingsland Rd., to M. White, 80 Park Pl., Newark, $117,128. Noted June 28.

Idaho—Oregon Short Line R.R., Deseret News Bldg., Salt Lake City, Utah, to Morrison-Knudsen Co., Railroad and Reclamation Aves., Boise, supplying 150,000 cu.yd. ballasting gravel for new tracks on main line from Orchard to Perkins, also 15,000 cu.yd. for new grade between Reverse and Chalk, which is being built by Utah Constr. Co., McIntyre Bldg., Salt Lake City, Utah.

Excavation, Drainage Irrigation

PROPOSED WORK

La., Lake Charles — Calcasieu Parish, having plans prepared widening 25 mi. canal to 30 ft., 126 ft. deep from Calcasieu to Sabine River, $2,750,000 bonds sold for project.

Wis., Elkhorn—Farm Drainage Bd. 2, c/o H. H. Tubbs, engr., Elkhorn, making plans 5-7 mi. 10-15 in. tile drain and open ditch draining in Walworth Co. $25,000.

Calif., Manteca—South San Joaquin Irrigation Dist. to vote on $500,000 bonds for ditch lining and to purchase pumps for drainage works.

Calif., Paradise — Paradise Irrigation Dist. rejected bids extending mains, cement lining high line reservoir, etc. New bids at later date. J. E. Alley, supt. Noted June 14.

Calif., Los Angeles—Harbor Comn., Byrne Bldg., rejected bids dredging between Berths 148 and 150, 290,000 yd. excav. Noted July 12.

N. S., Lunenburg—Dominion Government, Ottawa, soon takes bids dredging, here. $40,000. Dept. of Marine, Ottawa, engrs.

BIDS DESIRED

Miss., Senatobia—July 24, by Bd. Drainage Comrs. Strayhorn Creek D.D. Tate Co. at office Holmes & Sledge, attorneys, Senatobia, 12½ mi. drainage canals, main canal 410,680 cu.yd. excav., lateral ditch 111,000 cu.yd. F. F. Pack, secy.

Wis., Milwaukee — F. D. Chase, Inc., engrs., 645 North Michigan Blvd., Chicago, taking bids on excavation work for 5 story and basement, 150 x 200 ft., printing plant, brick and concrete, plain foundation, for Milwaukee Journal Co., 182 4th St.

Ia., Sioux City—Aug. 8, Auditor, Woodbury Co., constructing New Garretson Ditch, 14 mi. excav. $50,000. C. Moriarity, 513 United Bank Bldg., engr.

Tex., Brownsville—Aug. 1, by Bd. Dirs. Cameron Co. Water Impvt. Dist. 1, constructing drainage ditches involving 300,000 cu.yd. excav., also clearing 80 acres. Engineer not announced. Noted June 14.

N. S., Canso — July 23, by R. C. Desrochers, secy. Dept. Pub. Wks., Ottawa, Ont., dredging, here. $75,000.

N. S., North Ingonish—July 30, by R. C. Desroches, secy., Dept. Pub. Wks., Ottawa, Ont., reconstructing breakwater and dredging. $34,700.

CONTRACTS AWARDED

Ind., Lebanon—Drainage Comn. of Boone and Hamilton Counties, Lebanon, 132,800 cu. yd. dredging, to J. E. Mieser, $24,700; 8,620 ft. 10-24 in. drain tile and 1,150 cu.yd. excav., to Sheriden Cement Co., Lebanon, $10,200.

Streets and Roads

PROPOSED WORK

N. Y., Batavia—Genesee Co. plans resurfacing 4 mi. Bethany-Pavilion Rd., 16 ft., macadam. $193,900.

N. Y., Buffalo—Plans widening about 2 mi. North St., 30.5 ft.

N. Y., Massena—Bd. Village Trustees plans concrete paving West Orvis and Cook Sts. $25,000. F. A. Hough, clk.

N. Y., Rochester—Plans paving Ellison St. brick, $41,000; Lehigh Ave., Requa, Urquhart, Marsh and Leavenworth Sts., asphalt, $75,800; sewers, walks and grading Edgemont, Illinois and Durham Sts., $26,-; surface treating East Blvd., $5,700. C. A. Poole, city engr.

N. Y., Rochester—Plans asphalt paving Lake Ave., Barbara, Hampeden and Gillette Sts. $166,600. C. A. Poole, city engr.

Pa., Allentown—Plans extensive paving, various types. $50,000. H. F. Bascom, city engr.

W. Va., Parkersburg — Plans grading, paving and curbing Dickel Ave., 17th and 23rd Sts., 16 ft. $25,000. J. V. Dunbar, city engr.

W. Va., Parkersburg—Having plans prepared paving 2,200 ft. Market St., 35 ft., asphaltic concrete on 6 in. concrete, $25,000; grading paving and curbing 1 mi. Beckel Ave., 17th and 23rd Sts., 16 ft., $25,000. J. V. Dunbar, city engr.

W. Va., Williamson—Lee Dist., Mingo Co., election July 27, to vote on $436,000 bonds for road work. H. Cook, co. engr.

N. C., Asheville—City Comrs. authorized $925,000 bonds for street, sewer and waterworks improvements.

N. C., Greensboro — City Council authorized $1,000,000 bond issue for street construction. P. C. Painter, city mgr.

N. C., Jefferson—Ashe Co. sold $310,000 bonds for road and bridge construction. H. C. Tucker, West Jefferson, chn. Co. Highway Comn.

Tenn., Gallatin—Sumner Co. voted $250,-000 bonds for 23 mi. highway between here and Kentucky state line, probably 16 ft. bituminous penetration macadam surface on old road base. Work will be done under supervision of State Hy. Dept., Nashville.

Tenn., Jasper—Marion Co. appropriated $100,000 for 8 mi. Federal Aid highway between Montegale and Battle Creek, 16 ft. Work will be done under supervision State Hy. Dept., Nashville.

Tenn., Linden—Perry Co. appropriated $25,000 for highway between here and Tennessee River, probably gravel. Work will probably be done under supervision State Hy. Dept., Nashville.

Tenn., Loudon—Loudon Co. voted $125,-000 bonds for road from Knox Co. to Monroe Co. line, also $25,000 for various roads, probably limestone.

Tenn., Maryville—Blount Co. voted $150,-000 bonds for 8 mi. highway between here and Knox Co. line, 16 ft. R. P. Reynolds, co. judge. Work will probably be done under supervision State Hy. Dept., Nashville.

Tenn., Pulaski—Making plans paving 13,-000 sq.yd. various streets, rock asphalt on limestone. $25,000. B. H. Klyce, 4th and 1st Natl. Bank Bldg., Nashville, consult. engr.

Kentucky—State Hy. Dept., Frankfort, having plans prepared surfacing 14.42 mi. Owenton-Carrolton Rd., State Project 59, Owen Co., 14 ft. J. S. Boggs, state highway engr.

Kentucky — State Hy. Dept., Frankfort, having plans prepared grading and surfacing with waterbound macadam 5.405 mi. Lincoln Memorial Highway, State Project 3, Sect. B, Larue Co., 18 ft. J. S. Boggs, state highway engr.

Ky., Henderson—Plans 27,000 sq.yd. paving on various streets, $150,000-$200,000. J. A. Cunningham, comr, pub. wks. and property.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bids June 28, grading, bridging and paving 6.172 mi. roads in Van Wert Co., bituminous macadam, asphalt or tar, or rein.-con.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bids July 13, grading, bridging and paving 13.122 mi. roads in Summit and Wayne Counties. Noted July 5.

Ohio—Dept. Highways and Pub. Wks., Columbus, rejected bids June 29, grading, bridging and paving 6.147 mi. Sects. "M and N" Ohio River Rd., Lawrence Co., $160,637, also bridge on Sect. "N" Ohio River Rd., $13,327. Noted July 5.

O., Marietta—Making plans improving Front St., 975 cu.yd. excav., 3,017 ft. combination curb and gutter, 675 ft. concrete, 742 sq.yd. 1-1¼-3 in. concrete, 1,695 sq.yd. 1-2½-5 concrete base, 7,375 sq.yd. 2½ in. asphalt. $35,000. C. A. Stone, City Hall, engr.

Mich., Detroit—Making plans paving with 3 in. sheet asphalt on 6 in. concrete, 5,000 sq.yd. Ralston Ave. $30,840, 1,200 sq.yd. Granville Pl. $6,690, 1,200 sq.yd. Hussar St. $7,300; 3½ in. sheet asphalt on 8 in. concrete on 3,700 sq.yd. Greendale Ave. $22,-945. J. W. Reid, city engr.

Mich., River Rouge—Had plans prepared for grading, curbing and concrete paving 13,000 sq.yd. Walnut, Elizabeth, LeBlanc, Fairmont and Anchor Sts. $65,000. M. L. Brown & Son, Capitol Theater Bldg., Detroit, engrs.

Ill., Belleville—St. Clair Co. soon takes bids grading and concrete paving 2 mi. Scott Field Rd., 20 ft. $60,000. Address County Engineer.

Ill., Chicago—Takes bids about July 27 asphalt paving various streets. $130,000. C. D. Hill, city engr.

Ia., Des Moines—Making plans paving, etc., 2½ mi. East 30th St. from present pavement to Carlisle Rd. pavement. $75,-000-$100,000. K. C. Kastberg, city engr.

Ia., Marshalltown—Marshall Co. election soon to vote on $800,000 bonds concrete paving, etc., Lincoln Highway. D. C. Elder, co. engr.

Mo., Ridgeway — Making preliminary plans paving streets, various types. To exceed $25,000. Shockley Eng. Co., 800 Graphic Art Bldg., Kansas City, engrs.

Mo., St. Louis—Plans opening and widening ¼ mi. Morgan St. from Grand Blvd. to Spring Ave. with connections at Spring Ave. with Delmar and Enright Aves., 80 ft., cost $328,226, does not include paving. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Bd. Pub. Serv., City Hall, rejected bids curbing and asphaltic concrete paving 7,070 sq.yd. Smiley and Lansdowne Aves., $36,600. Will readvertise. Noted June 7.

Tex., Bastrop—Bastrop Co. plans to surface with bituminous topping State Highway 20. $25,000. State Hy. Comn., Austin, appropriated $10,500 toward cost.

Tex., Cameron—Milam Co. plans to construct Gause-Brazos River Sect. of State Highway 43. $65,000. State Hy. Comn., Austin, appropriated $20,000 toward cost. A. F. Mitchell, co. engr.

Tex., Eastland — Eastland Co. rejected bids bituminous macadam surfacing 18.67 mi. State Highway 18, 10.04 mi. State Highway 22 and 19.14 mi. State Highway 23 A. $300,000. C. S. Henning, Eastland, engr. Noted June 21.

Tex., Floresville — Wilson Co. election Aug. 4 to vote on $100,000 bonds hard surfacing State Highway 12 in Rd. Dist. 3, 18 ft. Total cost $150,000. J. E. Canfield, co. judge.

Tex., Floresville—Wilson Co. election Aug. 4, to vote on $100,000 bonds grading and hard surfacing, etc., 8 mi. State Highway 9, Rd. Dist. 3.

Tex., Laredo—Webb Co. soon takes bids bituminous topping 34 mi. San Antonio-Laredo Highway from here to Webb Co. line, 18 ft., $180,000.

Tex., McKinney—Collin Co. making plans grading, concrete surfacing, etc., 6.75 mi. State Highway 6, 18 ft. $300,370. T. W. Cawthon, co. engr.

Tex., Uvalde—Uvalde Co. plans construction State Highway 3 west of here, through Cline to Kinney Co. line. $70,000. State Hy. Comn., Austin, appropriated $35,000 toward cost. M. B. Hodges, Co. engr.

Bids Desired.

Tex., Waxahachie—Ellis Co. defeated $750,000 bond issue to construct 30 mi. State Highways and improve 75 mi. lateral county roads. Noted June 7.

Okla., Barnsdall—Plans grading and paving 7th St., 6,000 sq.yd. vertical fibre brick, 3,400 lin.ft. curbing and guttering, etc. $34,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Clarence—Having plans prepared grading and vitr. brick paving 10 blocks, 30 ft. V. H. Cochrane, Lynch Bldg., Tulsa, engr.

Okla., Sayre—Having plans prepared grading and paving 2nd and Cedar Sts., Dist. 9, 5,600 sq.yd. concrete, 3,200 lin.ft. curbing, etc. $26,032. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Weleetka—Had plans prepared grading and paving Seminole Ave., 6,100 sq.yd. vertical fibre brick, 3,150 lin. ft. concrete curbing. $31,100. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Wash., Seattle—King Co. had plans prepared and takes bids in summer paving 3 mi. Maple Valley-Renton Highway, 20 ft. concrete roadway; 1 mi. East 65th St., 20 ft. concrete; ½ mi. pavement to Yarrow Point, 16 ft.; 270 ft. bridge across Stuck River south of Auburn. T. R. Beeman, co. engr.

California—State Hy. Comn., Sacramento, rejected bids grading and gravel surfacing 5 mi. road between Gilroy and San Felipe, Santa Clara Co. Noted June 14.

Calif., Alameda—Had plans prepared improving crossings of Bay Island Ave. and Park Ave. and Regent and Bay Island Ave., 9,200 sq.ft. grading, 1,000 sq.ft. oil macadam, etc. B. Hamilton, city engr.

Calif., Ft. Bragg—Plans paving 14 blocks, 3½ and 4 in. asphaltic concrete. To exceed $25,000.

Calif., Fresno—Fresno Co. having plans prepared paving with macadam 10 mi. lower section Tollhouse Rd., 10 mi. Trimmer Springs Rd.; paving with 4 in. asphaltic

Streets and Roads (Continued)

concrete Raisin City unit of highway system, $100,000, upper end of Blackstone Ave. unit of county highway system, $70,000, Tranquillity Rd., $100,000; paving with 5 in. asphaltic concrete Alta Ave. north of Tulare Co. line, $40,000, Reed Ave. unit south of Reedley, $15,000, Fowler-Laton Highway, $110,000, Sanger Academy Highway, $80,000. C. P. Jensen, Cory Bldg., co. surv.

Calif., Sacramento—Plans highway connecting Rio Vista Highway with new Antioch Bridge. $250,000 or more. C. W. Deterding, Courthouse, engr.

Calif., San Francisco—City to appropriate $30,000 improving Virginia Ave., $18,000 for San Jose Ave. and $25,000 for Silver Ave. M. M. O'Shaughnessy, city engr.

Calif., San Francisco—City appropriated $33,000 to improve Liberty and Sanchez Sts. M. M. O'Shaughnessy, city engr.

Calif., San Mateo — Had revised plans prepared improving portions 1st to 4th Aves. and E to I Sts., 323,000 sq.ft. 5 in. concrete, 6,000 cu.yd. excav., 14,500 lin.ft. concrete curb, etc. G. S. Whitehead, Redwood City, engr.

Calif., Willows—Glenn Co. having plans prepared constructing 6 mi. mountain road from Bedford Trail to Cottonwood Glade. B. Knock, Willows, engr.

Ont., Ottawa — Carlton Co. soon takes bids 11,000 sq.yd. bituminous macadam, Goulburn Twp. $30,000. Patterson & Byrne, 71½ Sparks St., engrs.

BIDS DESIRED

New York—July 30, by Bronx Parkway Comn., 72 West Pondfield Rd., Bronxville, paving Bronx River Parkway Dr. between Tuckahoe Rd., Tuckahoe and Harney Rd., Scarsdale. L. G. Holleran, deputy ch. engr.; adv. this issue.

New York—July 31, by Bd. Water Supply, Municipal Bldg., New York City, clearing and grubbing Schoharie Reservoir and constructing diverting dam down-stream from intake of Shandaken tunnel in towns of Gilboa and Conesville, Schoharie Co., Prattsville, Greene Co., and Roxbury, Delaware Co., Contr. 205. G. J. Gillespie, pres.; adv. this issue.

N. Y., Lockport—July 27, by F. Krull, clk. Niagara Co., paving 4.446 mi. Co. Rd. 46 in town of Niagara, 16 ft., bituminous macadam. T. Brennan, co. supt. highways.

N. Y., Long Island City—July 23, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., repaving Beach 92nd St., Roosevelt, 2nd, Woodhaven, Hillside, Corona, Metropolitan, Sheridan, and Greenpoint Aves., also Metropolitan Ave. from Juniper to Pleasantview Aves., sheet asphalt; grading, etc., 101st St. (Jerome Ave.); grading, curbing, laying sidewalks, etc., on Liberty Ave.

N. Y., Long Island City—July 25, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, etc., Queens Blvd., Sibley St., Wooley and Eliot Aves.; laying and relaying gutters, grading and replacing surface improvements upon ramps, etc., in Tompkins Lane, Codwise and Jessie Places, Middagh and Penelope Sts., Fisk, Woodhaven and Yellows Aves., in South Side, Schroeder Pl., Laconia St., Astoria Rd., North Hempstead and Union Turnpikes, Trimble, Hyatt, Burrough and Meyers Aves., in North Side.

N. Y., New York—July 23, by J. Miller, pres. Manhattan Boro, Municipal Bldg., repaving Amsterdam Ave., East 90th, 131st and East 104th Sts., sheet asphalt; repairing asphalt pavement when and where directed by Chief Engineer of Bureau of Eng.; repairing wood block and granite block pavements in railroad area.

New Jersey—July 30, by State Hy. Dept., Trenton,, grading and bridges on Route 5, Sect. 13, Budd Lake to Netcong, Morris Co. A. L. Grover, ch. clk.; adv. this issue.

New Jersey—Aug. 1, by Comrs. Boro of Deal, Boro Hall, Norwood Ave., Deal, 8 in. rein.-con. paving Richmond Ave.; by Comrs., Boro of Allenhurst at Boro Hall, Norwood Ave., Deal, 8 in. rein.-con. paving Paige Ave., etc. J. Strollo, Brent Good Bldg., Long Branch, engr.; adv. this issue.

New Jersey—Aug. 2, by State Hy. Dept., Trenton, improving Route 13, Sect. 6, Lawrenceville to Princeton, Mercer Co. A. L. Grover, ch. clk.; adv. this issue.

N. J., Keyport—July 30, by Mayor and Boro Council, concrete paving Church St. J. T. Hopkins, boro engr.; adv. this issue.

N. J., Roselle—July 24, by Boro Council, asphaltic concrete paving various streets. W. M. Van Wagner, boro engr.; adv. this issue.

Pennsylvania—Aug. 7, by State Hy. Dept., Harrisburg, surfacing various roads, (A means Application, R means Route), with one course rein.-con., 2,303 ft. A-2578, Center and Hopewell Twps., Beaver Co., 612 ft. A-2431, Burrell Twp., Indiana Co., 14,953 ft. R-95 Spur A-2273, Wetmore Twp. and Kane Boro., McKean Co.; surfacing with either bituminous on concrete or one course rein.-con. 7,881 ft. A-1242 and 1249, Trainer Boro. and L. Chichester Twp., Delaware Co., 16,310 ft. R-133, Marple and Newtown Twps., Delaware Co., 23,775 ft. R-295, A-2316, 17 and 18, Elk Creek and Conneaut Twps. and Cranesville Boro., Erie Co., 23,470 ft. R-86 and 272, A-2327 and 2328, Fairview Twp. and Fairview Boro., Erie Co., 17,527 ft. A-2227 and 2228, Upper Nazareth and Bushkill Twps., Northampton Co., 34,422 ft. A-2355, Lower Mt. Bethel Twp., Northampton Co., 11,202 ft. R-73, Center and Butler Twps., Butler Co., 10,855 ft. R-247, Dunbar Twp., Fayette Co., 13,977 ft. R-197, Richmond and Covington Twps., Tioga Co.; surfacing with bituminous surface treated macadam 7,051 ft. A-2452, Pocono and Paradise Twps., Monroe Co.; surfacing with bituminous, surface course Specification D, base course to be reconstructed by State Hy. Dept., 12,017 ft. R-111, Franklin Twp., Greene Co. P. D. Wright, secy. highways.

Pennsylvania—Aug. 8, by State Hy. Dept., Harrisburg, paving various roads, (R means Route, A means Application), with one course rein.-con. 3,199 ft. R-1, Halifax and Upper Paxton Twps., Dauphin Co., 20,005 ft. R-175, Upper Nazareth Twp., Northampton Co.; surfacing with bituminous on concrete or one course rein.-con. surfacing 18,206 ft. A-2573, 74 and 75, Springfield, Marple and Upper Providence Twps., Delaware Co., 27,876 ft. R-258, A-2331, 32 and 34, Mill Creek, Summit and McKean Twps. and Middleboro Boro., Erie Co., 7,731 ft. R-258, A-2357, Washington Twp., Erie Co., 15,659 ft. R-2, Point and Mahoning Twps. and Danville Boro., Northumberland and Montour Counties, 42,580 ft. A-2222, 23 and 24, Washington and Plainfield Twps. and Bangor Boro., Northampton Co., 3,749 ft. R-124, A-2178, Dover Boro., York Co., 14,368 ft. R-69 and 60, South Buffalo Twp., Armstrong Co., and R-70, Buffalo Twp., Butler Co.; paving with one course rein.-con. and Hillside vitr. brick 15,654 ft. R-211, A-2369, Otto and Foster Twps., McKean Co., 1,030 ft. A-2513, Montrose Boro., Susquehanna Co., 3,666 ft. R-163, Slatington Boro., Lehigh Co.; surfacing with vitr. brick on concrete or bituminous on concrete 6,397 ft. R-167, A-2195, East Stroudsburg Boro., Monroe Co.; surfacing with bituminous macadam, penetration method, 12,994 ft. R-247, Perry Twp., Fayette Co.; surfacing with bituminous macadam, penetration method, or bituminous on reconstructed base 7,272 ft. R-108, North Strabane Twp., Washington Co. P. D. Wright, secy. highways.

Pa., Milton—July 31, by W. C. Miller, town clk., paving and curbing portions Centre, Arch and 2nd Sts. J. Harpster, pres. of Council; adv. this issue.

Pa., Pittsburgh—July 28, by Comrs. Alleghany Co. paving 5,550 ft. Beaver Rd. from Glen Osborne Boro. to Sewickley Line, asphaltic concrete with bituminous surface treatment. $25,000. V. R. Covell, Court House, co. engr.

Maryland—July 31, by State Rds. Comn., Baltimore, 2.43 mi. highway in Garrett Co., Contr. G-16, concrete. J. N. Mackall, chn.; adv. this issue.

W. Va., Bluefield—July 24, at office C. R. Ridley, city mgr., surfacing treating 115,000 sq.yd. old macadam pavements; adv. this issue.

W. Va., Fayetteville—Aug. 14, by Fayette Co., grading, paving, etc., 9.5 mi. Mt. Hope-Pax Rd.; adv. this issue.

W. Va., Parkersburg—July 25, surfacing 2,580 ft. Arden Pl., Stewart and Watt Sts., 20 ft., brick on 6 in. sand and gravel, 558 ft. 8 in. storm sewers. $25,000. J. V. Dunbar, city engr.

Georgia—Aug. 3, by State Hy. Dept., East Point, chert surfacing Dallas Cedartown Highway, 14,102 lb. reinforcing, 10,468 cu.yd. chert, etc.; bridge over Seaboard Air Line R.R., 13,500 ft. creosoted and 5,200 ft. plain timber, 13 cu.yd. concrete, W. R. Neel, East Point, engr.

Florida—July 25, by State Rd. Dept., Tallahassee, grading and constructing rock base on 8.25 mi. Rd. 8, from Okeechobee City to Kissimmee River, Project 523, Okeechobee Co. W. F. Cocke, state highway engr. Noted July 12.

Fla., Arcadia—July 28, improving streets, Item 1, removing and rebuilding base with clay or stone, 10,700 sq.yd., 5 in. base; Item 2, 10,700 sq.yd. asphalt block, 10,700 sq.yd. vitr. brick pavement, asphalt filler; Item 3, 9,000 sq.yd. reconstructed 6 in. base as in Item 1; Item 4, 9,900 sq.yd. bituminous macadam pavement; Item 5, 9,800 sq. yd. bituminous surface treatment of old macadam. Cravens & Kimmel, Arcadia, engrs.

Miss., Canton—Aug. 3, by Supervs. Madison Co., resurfacing gravel road between here and Carthage, Project 111.

Miss., Grenada—Aug. 11, by Bd. Supervs. Grenada Co., Improving 7,672 mi. Federal Aid Project 147 between here and Calhoun City, 25,254 cu.yd. common and 70,644 cu. yd. borrow excav., 428.88 cu.yd. concrete in culverts, 41,692 lb. reinforcing steel bridges, incl. one 100 ft. steel span complete except floor, involve 485.83 cu.yd. concrete, 52,690 lb. reinforcing, etc. $122,172. H. C. Dietzer, c/o State Hy. Dept., Jackson, engr.

Miss., Vicksburg—Aug. 2, by Bd. Supervs. Warren Co., 5 mi. gravel road between here and Rolling Fork, Project 146.

Tennessee—Aug. 10, by State Hy. Dept., Nashville, grading, bituminous macadam surfacing and bridging 11 mi. highway between Shelbyville and Rutherford Co. line, 16 ft., Bedford Co., several bridges over 20 ft. span will be let separately, $200,000; grading, gravel or chert surfacing, bridging, etc., 8 mi. between Camden and Carroll Co. line, 18 ft., Benton Co. J. C. Creveling, Nashville, comr.

O., Columbus—July 24, by W. H. Duffy, dir. Pub. Serv., grading, laying necessary water services and sewer connections and paving 1,706 ft. Piedmont Rd., 60 ft.; 1,497 ft. Midgard Rd., 40 ft.; 448 ft. alley north of 10th Ave., 25 ft.; 320 ft. alley west of 4th St., 16 ft.; 332 ft. alley north of Clark St., 21.25 ft.; 350 ft. alley west of Waldeck Ave., 26 ft.; 548 ft. alley west of Taylor Ave., 20 ft.; brick, asphalt, concrete or asphaltic concrete; 5,130 ft. 8-25 in. combined sewer in alley east of Cleveland Ave.

O., New Philadelphia — July 28, paving 4,830 ft. Boulevard, brick or asphalt on concrete, two 16 ft. strips with 27 ft. strip of rolled slag between car tracks. $76,000. G. Arnold, Court House, engr. Noted Feb. 8.

Michigan—July 25, by State Hy. Dept., Lansing, grading and surfacing 46,330 sq. yd. Federal Aid Project 74, Sect. D, Washtenaw Co., 19,857 sq.yd. State Trunk Line Rd. 17-6, Sects. A and B, Ann Arbor and Ypsilanti Counties, both asphalt concrete or bituminous concrete. F. F. Rogers, comr.

Michigan—July 26, by State Hy Dept. Lansing, grading and surfacing 21,102 sq.yd. State Trunk Line Rd. 11-22, Berrien Co., concrete or widening present macadam with concrete or macadam base and surfacing with bituminous concrete wearing course. F. F. Rogers, comr.

Michigan—July 27, by State Hy. Dept., Lansing, grading and concrete surfacing 35,874 sq.yd. State Trunk Line Rd. 11-25, Sect. B., F. F. Rogers, comr.

Michigan—July 30, by State Hy. Dept., Lansing, grading and surfacing 12,720 sq.yd. State Trunk Line Rd. 17-13, in Alboin and 28,914 sq.yd. Federal Aid Project 89, Sects. A, B and C, Calhoun Co., asphalt, concrete or bituminous macadam. F. F. Rogers, comr.

Michigan—July 31, by State Hy. Dept., Lansing, grading and gravel surfacing 53,991 sq.yd. Federal Aid Project 124 and State Trunk Line Rd. 14-44, Clinton Co. F. F. Rogers, comr.

Michigan—July 31, by State Hy. Dept., Lansing, grading and surfacing 17,447 sq. yd. State Trunk Line Rd. 65-2, Washtenaw Co., 26,316 sq.yd. State Trunk Line Rd. 47-5, Sects. A, B and C, Hillsdale Co., both asphalt, concrete or bitnminous concrete. F. F. Rogers, comr. Noted June 21.

Illinois—July 24, by Dept. Pub. Wks. and Bldgs., Div. Highways, Springfield, concrete paving 0.77 mi. highway, Bond Issue Route 26, Sta. 3, Ogle Co., cement will be furnished. Bids will also be received by village of Forreston, for widening Sect. 3. C. Older, ch. highway engr. C. S. Hepner, Freeport, engr. for village.

Illinois—July 31, by Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, paving 54.94 mi. road, 18 ft., either concrete, 4 in. monolithic, 4 in. bituminous filled brick, bituminous concrete with and without binder course, (cement will be furnished), also for 81.46 mi. grading involving 1,868,248 cu.yd., and 8,839 cu.yd concrete. C. H. Older, ch. highway engr.

Ill., Chicago — July 25, concrete sidewalks on Randolph St. $80,000. C. D. Hill, City Hall, engr.

Ia., Colfax—July 26, by H. F. Cassidy, city clk., paving, grading and curbing various streets, 41,277 sq.yd. vertical fibre brick, asphalt, bituminous, vibrolithic or rein.-con., 27,140 lin.ft. combination curb and gutter, 869 lin.ft. 36 in. double gutter,

Streets and Roads (Continued)

17,772 cu.yd. earth. $150,000. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Minn., Duluth—July 24, by W. H. Fischer, city comr., paving Railroad and Commerce Sts., either 2,130 sq.yd. vitr. brick or 6,330 sq.yd. concrete. $30,780 for concrete and $37,093 for brick. J. Wilson, city engr.

Minn., St. Paul—July 23, by H. W. Austin, city purch. agt., paving with asphaltic concrete and vertical fibre brick, 21 blocks Cleveland Ave., $85,000, 12 blocks Minnehaha St., 5 blocks Phalen Parkway, 30 blocks Earl St., 8 blocks Front St. and 7 blocks Pleasant St. G. M. Shepard, city engr. Noted July 12.

Minn., St. Paul—Aug. 6, by G. J. Ries, aud. Ramsey Co., grading and gravel surfacing Frost Ave., 47,646 cu.yd. earth excav., 3,105 cu.yd. gravel surfacing, etc. $26,000. P. N. Coates, 900 Guardian Life Bldg., co. surv.

South Dakota—July 24, by State Hy. Dept., Pierre, gravel surfacing 9,169 cu.yd. 124, Codington, which means Federal Aid Project 124, Codington Co.; 29,313 cu.yd. 152 A, Codington; 16,535 cu.yd. 152 B, Grant; 12,786 cu.yd. 162 C, Roberts; 21,264 cu.yd. 96, Roberts; 10,217 cu.yd. 139, Roberts; sand clay surfacing 20,474 cu.yd. 51, Gregory. F. D. Hudgins, state highway engr.

Mo., St. Louis—Aug. 14, by Bd. Pub. Serv., 208 City Hall, paving 10,735 sq.yd. Kingsbury and Lucas Aves., asphalt on concrete, $73,760; repaving 3,660 sq.yd. Channing Ave., asphalt on concrete, $9,800; granite curbing and willite asphalt paving 4,705 sq.yd. Loughborough Ave., $25,000; concrete curbing and Kentucky rock asphalt paving 6,445 sq.yd. Quincy Ave., $32,100; grading and paving 1,495 sq.yd. Dewey Ave., asphalt or bitulithic on concrete, $9,440; repaving 3,740 sq.yd. Palm Ave., bitulithic on concrete, $10,120; 8,980 sq.yd. Garrison St., asphalt or warrenite on concrete, $21,920. W. W. Horner, 300 City Hall, engr.

Ark., Eldorado—July 30, concrete paving 43,000 sq.yd. in Dists. 16 and 12. Ford & MacCrae, Gazette Bldg., Little Rock, engrs.

Tex., Beaumont—Aug. 7, by B. B. Johnson, judge Jefferson Co., rein.-con. paving 7.35 mi. State Highway 40, 584 cu.yd. concrete and 46,884 lb. reinforcing in structures, 69,336 sq.yd. concrete and 160,816 lb. reinforcing in pavement, etc. $315,000. A. C. Love, co. engr.

Tex., Brenham—July 25, by J. H. Chappell, judge Washington Co., grading and bridging 17.3 mi. State Highway 36, 2,189 cu.yd. concrete, 611,850 cu.yd. borrow, 122,000 cu.yd. roadway, 11,100 cu.yd. unclassified excav., 196,290 lb. reinforcing, etc., $185,000; 19.2 mi. Brenham-Washington Rd., 3,000 cu.yd. concrete, 115,000 cu.yd. borrow, 129,000 cu.yd. roadway, 208,000 lb. reinforcing, $200,000. G. A. Bracher, co. engr.

Tex., Falfurrias—Brooks Co. taking bids grading, gravel and caliche surfacing 10.07 mi. State Highway 9, 18 ft. $131,250. H. S. Bedell, co. engr.

Oklahoma—July 25, by State Hy. Dept., Oklahoma City, grading and paving road between Kingston and Madill, Federal Aid Project 98, Marshall Co., 65,274 sq.yd. gravel, 17,500 cu.yd. earth and 2,050 cu. yd. rock excav. $130,000. F. L. Simmons, Capitol Bldg., Oklahoma City, engr.

Okla., Barnsdall — July 31, by J. C. Blankenship, city clk., grading and paving Cedar Ave., 7,000 sq.yd. concrete, 3,200 lin. ft. curbing, etc. $29,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted June 21.

Okla., Blackwell—July 24, by D. Randall, city clk., grading and paving 3rd St. and Lincoln Ave., 8,600 sq.yd. vertical fibre brick, 4,800 lin.ft. concrete curbing, 4,800 lin.ft. concrete gutter, etc. $46,959. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Washington — July 31, by State Hy. Comn., Olympia, grading and concrete paving 0.72 mi. Pacific Highway from Chehalis south, Lewis Co.; grading and gravel surfacing 6.08 mi. Olympic Highway from Lunch Creek, west, Grays Harbor Co., 4.43 mi. North Bank Highway and 2.26 mi. North Bank Highway between Greer Creek and Wind River, Skamania Co. J. Allen, state highway engr.

Calif., Auburn—July 25, by City Trustees, 61,600 sq.ft. grading, 61,000 sq.ft. concrete pavement, 4,600 sq.ft. curb and gutter, etc. $25,000. J. A. Barleau, city engr.

Calif., Huntington Beach—City Council receiving bids improving 17th and Delaware Sts., 1,575 tons black base patch, 204,295 sq.ft. 3 in. warrenite resurfacing. Former bids rejected. Noted July 5.

Calif., Napa—July 23, by J. A. Daly, clk. Napa Co., improving 7.34 mi. road between Monticello and Winters. E. P. Ball, co. highway engr. Noted Apr. 4.

Calif., Oroville — July 25, by Supervs. Butte Co., gravel surfacing 9 mi. Humboldt County Rd. H. H. Hume, co. road engr.

Ont., St. Thomas—Taking bids paving 7,500 sq.yd. Gladstone Ave., asphalt on concrete, concrete curb and gutter. $31,888. W. C. Miller, city engr. Noted July 12.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, July 11, asphalt paving (1) Bay 31st St. (2) Delamere Pl. (3) East 40th St. (4) Gelstone Ave. (5) 18th Ave, 66th St. (6) 70th St. (7) 72nd St. (8) 90th St., grading, curbing and flagging (9) Delamere Pl., asphalt repaving (10) Tompkins Ave., recurbing and asphalt paving (11) 6th Ave., from Cranford Co., 52 3th St., (1) $6,309 (4) $6,788 (5) $8,085 (6) $8,534 (7) $8,350 (8) $7,949 (11) $10,774; Cleveland Trinidad Paving Co., Flushing, (2) $8,872 (3) $18,866; W. J. McHale Contg. Co., 1250 Jefferson St., (9) $4,336; Sicilian Asphalt Paving Co., 41 Park Row, New York, (10) $37,585. Noted July 5.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, July 13, repaving Post Ave., granite block, from M. I. Sachs, 246 South 9th St., Brooklyn, $49,831. Noted July 5.

New Jersey—State Hy. Comn., Trenton, July 9, concrete paving 17,825 sq.yd. Route 10, Sect. 2, Broad Ave.-Glen Rd., and 16,870 sq.yd. Route 10 Sect. 1-C, Bluff Rd.-Anderson Ave., both Bergen Co., from J. J. McGarry, Edgewater, 97% of engrs. est. ($115,145) and 99% ($57,481) respectively; 24,550 sq.yd. Route 1, Sect. 12, Rahway Ave., Elizabeth, asphalt, from Newark Paving Co., 133 1st St., Newark, 99.9% ($108,-192). Noted June 28.

Maryland—State Rds. Comn., Baltimore, paving 11.61 mi. from Hagerstown to Sharpsburg, Washington Co., 18,300 tons base course stone, 14,100 tons bituminous macadam, from Development & Constr. Co., American Bldg., Baltimore, $181,280; Contr. B-57, Baltimore Co., 1,900 tons waterbound macadam, from T. P. Murray, Towson, $15,003.

Alabama—State Hy. Dept., Montgomery, grading and surfacing with bituminous macadam 2.352 mi. road from Marshall Co. line to Federal Aid Project 88, Marshall and Etowah Counties, from Etowah Co. Comrs. Court, Gadsden, $62,767. Noted June 21.

O., Bellaire—Grading and paving Washington St., vitr. brick, from A. and O. Holderman, Wheeling, W. Va., $55,242.

Michigan—State Hy. Dept., Lansing, grading, and concrete surfacing, etc., 17,447 sq.yd. State Trunk Line Rd. 65-2, from L. A. and P. E. Moran, Howell, $39,202; grading 115,384 cu.yd. Federal Aid Project 73, from Koch Building & Supply Co., Ann Arbor, $133,755. Noted June 21.

Ia., Des Moines—Polk Co., concrete paving, etc., 29,506 sq.yd. Primary Rd. 15, (Norwalk Rd.), from Koss Constr. Co., 2818 5th St., $2.55 per sq.yd. Noted July 5.

Missouri—State Hy. Dept., Jefferson City, July 6, constructing roads (33-8, Clinton, means Route 33, Sect. 8, Clinton Co.) 5 mi. **33-8, Clinton,** from J. C. Lyle, Kansas City, $32,084; 4.922 mi. **19-21, Dent,** from General Constr. Co., Syndicate Trust Bldg., St. Louis, $25,483; 3.798 mi. **3-8, Mercer,** from J. L. Simmons, La Plata, $21,629; 3.57 mi. **43-6, Stone,** from M. E. Gillioz, Monett, $41,196; 5 mi. **31-2, De Kalb,** from E. Euler, Perry, Kan., $26,493; 4.332 mi. **1-91, Barton,** from Carterville Constr. Co., Carterville, $44,841; 5 mi. **6-17, Daviess,** from Western Bridge & Constr. Co., 750 Peters Trust Bldg., Omaha, Neb., $73,084; 4.449 mi. **43-10, Stone,** and 2.623 mi. **43-9, Stone,** from Springfield Constr. Co., Springfield, $23,336 and $39,199 respectively; 1.445 mi. **14-85, St. Louis,** from Webb-Kunze Constr. Co., 5927 Fyler Ave., St. Louis, $9,495; 0.39 mi. **15-21, Shelby,** from Pan Amer. Bridge Co., Moberly, $6,329. Noted June 28.

Tex., Colorado—Mitchell Co. paving 0.6 mi. 2nd and Walnut Sts., (a) warrenite bitulithic, (b) Uvalde rock asphalt on 5 in. concrete, (c) 3 in. vertical fiber brick on concrete, from Vallent & Toomey, F. & W. Bank Bldg., (c) $58,070; from West Texas Constr. Co., 504 Cotton Exch. Bldg., Ft. Worth, (a) $62,660. Noted June 21.

Tex., Paris—Lamar Co. grading and concrete surfacing 2.41 mi. Bates Sect. State Highway 5, 25,535 cu.yd. concrete, etc., from Julian C. Field & Co., Denison, $67,-156. Noted June 21.

Calif., Salinas—Improving Maple, Chestnut and California Sts., 175,075 sq.ft. grading, 38,204 sq.ft. 1½ in. warrenite bitulithic on 2½ in. asphaltic concrete, 117,621 sq.ft. 1½ in. warrenite bitulithic on 3 in. asphaltic concrete, 8,589 sq.ft. concrete gutters, etc., from Clark & Henery Constr. Co., 38 South Sutter St., Stockton, $43,757; West St., (1) 46,345 sq.ft. grading, (2) 43,461 sq.ft. 1½ in. warrenite on 2½ in. asphaltic concrete (3) 2,712 sq.ft. concrete gutter (4) 2,158 lin.ft. concrete curb, from Clark & Henery Constr. Co., 38 South Sutter St., Stockton, (1) $0.02 (2) $0.189 (3) $0.23 (4) $0.64, Municipal Impvt. Co., 306 12th St., Oakland, (1) $0.027 (2) $0.185 (3) $0.225 (4) $0.65, Warren Constr. Co., Bacon Bldg., Oakland, (1) $0.03 (2) $0.185 (3) $0.21 (4) $0.62; Aves. A, B and C, from W. A. Dontanville, Salinas, 34,828 sq.ft. grading at $0.03, 31,828 sq.ft. waterbound macadam pavement $0.095, 2,836 sq.ft. concrete gutter $0.29, 2,882 lin.ft. concrete gutter $0.70. Noted June 7.

Que., Montreal — Asphalt paving from Duranceau & Duranceau, 152 Hamilton St., 1,600 sq.yd. Caramel St. $6,910, 615 ft. Resther St. 22-27 ft., $9,686, 833 ft. Boyer St., 25-30 ft., $13,163, 1,084 ft. Adam St., 37 ft., $17,408, 2,240 ft. Orleans St., 30 ft., $45,953, 2,250 ft. Mentana St., 30 ft., $9,400, 250 ft. Lalonde St., 19 ft., $2,365, 4,125 sq. yd. Adam St. $17,408; from Quinlan Robertson & Janin Ltd., 52 Duluth Bldg., 18,400 sq.yd. 1st Ave. $89,530, 5,650 sq.yd. Girouard Ave. $38,208; from D. Brault, Ltd., 2855 Rosemount Blvd., 10,445 sq.yd. St. Dominique St. $40,148, 1,930 sq.yd. Mousseau St. $11,945; from Sicily Asphaltum Paving Co., 60 St. Viateur St., 3,600 sq.yd. De Lanaudiere St. $14,498, 3,535 sq.yd. De La Roche St. $15,528; concrete sidewalks, from Leger & Lamoureux, 294 St. Catherine St., E., 2,670 sq.yd. Orleans St. $11,347, 1,290 sq.yd. St. Sotique St., $5,522; from L. Lyon, 49 Brewster St., 3,100 sq.yd. Peloquin St. $13,485; from St. George Gaubreau, Ltd., 127 Stanley St., 2,000 sq.yd. Lasalle St., $8,820.

CONTRACTS AWARDED

Massachusetts—State Hy. Dept., Boston, paving 22,130 ft. road, 20 ft., in Brimfield, bituminous macadam, to D'Onfro Bros., 712 Main St., Leominster, $235,508. Noted June 7.

Mass., Medford—Street Comn., to Coleman Bros. Inc., 245 State St., Boston, macadam paving 14,352 sq. yd. Salen St., $2.90 per sq.yd., 13,143 sq.yd. Riverside Ave. $3.02, 25,000 sq.yd. Winthrop St. $2.85 and 16,641 sq.yd. at $1.90, 16,020 sq.yd. Forrest St. $4.85 and 220 sq.yd. High St. $4.25; to Rowe Contg. Co., North Revere St., Malden, 20,809 sq.yd. High St. $2.25 and 13,507 sq.yd. Winthrop St. $2.25; to Colburn Constr. Co., c/o Dept. Pub. Wks., 50,746 sq.yd. Main St. $3.10, and 5,791 sq.yd. High St. $3. Work in charge of F. R. Charnock, city engr. Noted June 28.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, grading, curbing and flagging Coney Island Ave., to E. J. Galway, $6,536; Kings Highway, to H. and B. Contg. Co., $85,764; 76th St., to F. Persicano, 350 Fulton St., $5,919; 77th and 81st Sts., to L. Mangeri, 190 31st St., $5,080 and $3,342 respectively; curbing and flagging Lefferts Ave., to Galco Contg. Co., $5,701; asphalt paving Rutland Rd., Newport, Osborn and Tehama Sts., asphalt repaving North Elliott Pl., 84th and North Oxford Sts., to Borough Asphalt Co., 1,301 Metropolitan Ave., $24,085, $3,392, $13,735, $10,327, $20,160, $19,535 and $21,608 respectively; asphalt paving DeKalb Ave., to Sicilian Asphalt Paving Co., 41 Park Row, New York, $46,855; Gelston Ave. and repaving 15th Ave., to Cranford Co., 52 9th St., $5,940 and $4,943 respectively; asphalt repaving 60th St., to Uvalde Asphalt Paving Co., 1 Bway., New York, $31,414; paving St. Edwards St., grade 1 granite, to Greico Bros., 172 Russell St., $12,479. Noted June 28 and July 5.

N. Y., Glens Falls—Paving 1.2 mi. Park, Williams and Sherman Aves., 32 ft., to W. M. Brown, Hudson Falls, $48,252.

N. Y., North Tarrytown (Tarrytown P. O.)—Westchester Co. (White Plains) rein. con. paving Bedford Rd. and Webber Ave., here, to Strong & Stiffy, Inc., 522 5th Ave., New York City, $59,430. Noted June 21.

N. Y., Rochester—Bd. Contr. & Supply, paving Elmwood Ave., willite, to Rochester Vulcanite Pavement Co., $22,204; Parsells Ave., asphalt, to Oliver Costich Co., $18,-782; Averill St., asphalt, to Whitmore, Rauber & Vicinius, $18,268; Stanfield Terrace and Lorraine Pl., both asphalt, to W. E. Kinney, $8,504 and $4,295 respectively, all contractors in Rochester.

N. Y., Rochester—Resurfacing Meigs St., and paving Arbordale Ave., asphalt, to O. Costich Co., $7,640 and $6,582 respectively;

Streets and Roads (Continued)

paving Cumberland St., asphalt, to Whitmore, Rauber & Vicinius, $12,116; widening and asphalt paving 1,355 ft. Main St., to W. Bailey Co., $30,519. All contractors in Rochester. Noted Jan. 18.

N. Y., Syracuse — Bd. Contr. & Supply, paving Salt Springs Rd., to Dale Eng. Corp., Mann Bldg., Utica, $47,934; West Colvin St., to F. J. Baker, Bastable Bldg., $26,336; Durston Ave., to G. B. Dickinson, Union Bldg., $50,146. Noted July 5.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro. Boro Hall, repaving Castleton Ave., granite block, to J. Johnson Sons, 455 Bway., West New Brighton, $85,097. Noted June 21.

N. J., Belleville—Purchasing Agent Essex Co., Court House, Newark, storm drain in Rutgers St. at Washington Ave., to P. D'Amato, 224 Washington Ave., Newark, $8,213; paving Rutgers St., granite block on 6 in. concrete and bituminous concrete on concrete, to Jannarone Constr. Co., 225 Passaic Ave., $35,132. Noted June 28.

N. J., Mount Holly—Burlington Co., reconstructing Rd. 19, Bridgeboro to Chester Ave., Delran and Morristown Twps., Rd. 3, Vincentown-Cross Roads Rd., Southampton Twp., also Rd. 15, Florence Rd., Florence Twp., to Union Paving Co., 30th and Locust Sts., Phila., $247,093. Noted June 14.

N. J., Newark—Grading and paving 1 mi. Two Bridge Rd., 20 ft., 8 in., rein.-con., to J. W. Heller, South Orange Ave., South Orange, $33,100. Noted June 21.

N. J., Nutley—See "Railways under New Jersey."

Pa., Ebensburg—Cambria Co. paving 3.25 mi. road from Emeigh Run to Plattsville, 16 ft., rein.-con. and Hillside brick on concrete, to J. L. Elder, Jr., Ebensburg, $206,333. Noted June 28.

Pa., Greensburg—Westmoreland Co., reconstructing 1 mi. Bolivar Rd., 16 ft., rein.-con., to F. Murphy, 2635 West Chestnut Ave., Altoona, $52,141. Engrs. est. $30,000. Noted June 14.

Pa., Grove City—Asphalt paving 3 streets, to W. McIntyre & Son, Sharon; 5 streets, to Allegheny Paving Co., Diamond Bldg., Pittsburgh. Engrs. total est. $40,000.

Pa., Kittanning—Resurfacing with asphalt Market St., Woodward, Union, Grant and Reynolds Aves., to Columbus Asphalt Paving Co., 288 East 16th Ave., Columbus, O. Engrs. est. $35,000.

Pa., Pittsburgh—Alleghany Co. paving Ardmore Blvd. to end of improved Electric Ave., East Pittsburgh, 3,750 sq.yd. concrete foundation, 3,355 sq.yd. asphaltic concrete paving, 420 sq.yd. brick block, etc., to M. O'Herron Co., South 1st and McKean Sts., $28,353; Brownesville Rd. through Knoxville, Carrock and Brentwood, 30,600 sq.yd. asphaltic concrete, reset 7,150 lin.ft. stone curb, 17,850 sq.yd. Legonier block, etc., to Booth & Flinn Ltd. Co., 1942 Forbes St., $129,311; Richland Ave. and 5th St., in town of Dravosburg, 3,660 sq.yd. brick, 1,280 sq.yd. Legonier block, 2,750 ft. steel protected concrete curb, to Booth & Flinn, Ltd., 1942 Forbes St.

Pa., Washington — Improving Jefferson Ave. from Hall Ave. to 3rd St., 1,620 sq.yd. vitr. brick on 6 in. concrete, etc., to W. K. Reed, Waynesburg, engrs. est. $25,000; resurfacing Maiden St., 18,800 sq.yd. brick bituminous, to Willite Resurfacing Co., Waynesburg, $42,000. Noted June 14.

Pa., Washington—Washington Co., paving 1 mi. East Pike Penn Run Twp., brick on 5 in. concrete, to Petriello Bros., Brownsville, $103,000. Engrs. est. $105,000.

Fla., Miami Beach—To J. J. Quinn Co., Miami, paving Sheridan Ave., Indian Creek Dr. and Dade Blvd., 20,000 sq.yd. penetration macadam at $1.35 per sq.yd., 9,000 sq.yd. resurfacing $0.69, total $33,210; Collins Ave., 48,000 sq.yd. penetration macadam, 7 in. compacted base, 3 in. screened rock, $64,800.

Miss., Mayersville—Hy. Comrs. 5th Supervs. Dist., Issaquenna Co., gravel surfacing 13 mi. various roads, to J. D. and R. P. Sims, Ruleville, $36,000, engrs. est. $40,000; furnishing 27,500 tons gravel f.o.b. cars at points of haul, to Harteston Gravel Co., Greenwood, $1.44 per ton, total $39,600, engrs. est. $43,500. Noted July 28.

Louisiana — State Hy. Dept., Baton Rouge, gravel surfacing 4.64 mi. Monroe-Rayville Highway, Federal Aid Project 118, Ouachita Parish, and 2.44 mi. Rayville-Monroe Highway, Federal Aid Project 119, Richland Parish, to Picard Constr. Co., New Orleans, $64,934 and $48,707 respectively; 9.237 mi. Burnside-Hope Villa Highway, State Project 130, Ascension Parish, to Banta & Mitersbaugh, Lake Charles. Noted June 28

O., Akron—Summit Co., to T. E. McShaffrey Constr. Co., 171 South Forge St., paving Barberton-Springfield Co. Highway, 1.945 mi. Sect. A, 20 ft., trinidad, $74,717, engrs. est. $86,312, 2.908 mi. Sect. A-2 and B, bitulithic slag, $107,026, $122,242, 2.053 mi. Sect. D, 20 ft., bitulithic slag, $75,705, $86,082.

O., Cincinnati—Hamilton Co. paving 60,000 sq.yd. Cleves-Warsaw Rd., bitulithic, to A. J. Brehm, 57 Wiggins Blk., $491,496. Noted July 12.

O., Circleville—N. R. Huston, dir. Pub. Serv., sandstone curbing and vitr. brick paving 5,338 sq.yd. Ringgold Pike, to McHugh Bros., Springfield, $22,889. Noted June 28.

O., Cleveland — Bd. Educ., East 6th St. and Rockwell Ave., grading and landscaping Euclid Park School, to A. Long, 9501 Cedar Ave., $11,064, Glenville and Rawlings Schools, to V. Q. Galier, Builders Exch., $12,515; masonry work in Euclid Park School, to C. N. Griffen, 5511 Euclid Ave., $18,555, Glenville and Rawlings Schools, to A. MacDougall Co., Irene Ave., Lakewood, $4,562. Noted July 5.

O., Cleveland—Cuyahoga Co., guttering and paving 14,100 sq.yd. Lander Rd. 2, concrete, to Presgrave & Burke, 11321 Miles Ave., $64,240; 5,720 sq.yd. Cedar Rd. 3 and 5,620 cu.yd. Cedar Rd. 2, vitr. brick, to Freshwater Constr. Co., Natl. Bldg., $33,436 and $131,476.

O., Cleveland—For 833 ft. wood block flooring on East 34th St. bridge, to Forschner Co., East 10th St. and St. Clair Ave., $38,301.

O., Columbus—W. H. Duffy, dir. Pub. Serv., to Yale Constr. Co., 146 Yale Ave., grading, laying water services and sewer connections and paving 740 ft. alley west of Summit St., 16 ft., $3,803, 1,754 ft. alley north of Lane Ave., 20 ft., $10,416, 558 ft. alley north of Tompkins St., 20 ft., $3,550, all concrete; to Franklin Asphalt Paving Co., 209 South High St., 1,345 ft. Brehl Ave., 50 ft., $17,476, 2,162 ft. Crescent Dr., 24 ft., $38,255, 2,013 ft. Binns Blvd., 24 ft., $32,733, all asphalt; to B. F. Patterson, 1214 Neil Ave., 1,010 ft. Williams St., 20 ft., asphalt, $12,068; to Knight & Wells, 483 Oak St., 1,154 ft. Taylor Ave., 26 ft., asphalt, $19,772. Noted July 5.

O., Dayton—Montgomery Co., paving 10,000 sq.yd. North Main St., vitr. brick on concrete, to J. I. Geiger, 409 Dayton Savings & Trust Bldg., $31,459. Noted July 12.

O., Dayton—Montgomery Co. and city, paving Western Ave., brick on concrete, to Hoolihan & Wangler, Dayton, $31,179.

O., Garfield Heights (Cleveland P. O.), —Asphaltic concrete paving 30,000 cu.yd. East 107th, 108, 109 and 111th Sts., Runnymead, Langton and Wadsworth Aves., to Enterprise Paving & Constr. Co., 8436 Bway., Cleveland, $211,435. Noted July 12.

O., Grandview Heights (Columbus P. O.) —E. Gross, village clk., grading and asphaltic concrete paving 11,876 ft. Parkway N, Parkway Dr., Timberman Rd., Ridgeway Pl., Mulford, Thomas Holly, Norton, Dover, Glenn and 2nd Aves., 25 ft., also 2 driveways with park between on Northwest Blvd., 1,900 ft. single and 2,975 ft. double driveways, each 22 ft., to Cleveland Trinidad Paving Co., Grand Theatre Bldg., Columbus, $227,667. Noted June 28.

O., Steubenville—Jefferson Co. paving 1½ mi. Costonia-Shane Rd., waterbound macadam, to H. F. Daugherty, Steubenville, $30,371.

Michigan—State Hy. Dept., Lansing, grading and surfacing to H. A. Hoxie, 1426-5th St., Grand Rapids, 12,419 sq.yd. concrete surfacing, etc., Federal Aid Project 69, Sect. B, in Fowlerville, $29,483. plus cement $8,000, Federal Aid Project 69, Sect. A, Livingston Co., 10,410 cu.yd. earth excav. $0.80, 20,956 sq.yd. rein.-con. $1.60, etc., total $46,224 plus cement $15,500; to Cline & Boecleus, Spring Lake, 21,627 sq.yd. rein.-con. surfacing, Federal Aid Project 117, Sect. A, Ottawa Co., $45,449, plus cement $15,992; to Banhagel Constr. Co., Ionia, 10,124 sq.yd. concrete surfacing State Trunk Line Rd. 39-7, Lake Odessa Co., $21,283, plus cement $7,250.

Mich., Grosse Pointe Farms (Grosse Pointe, P. O.)—Paving 4,700 sq.yd Oak St., 1,700 cu.yd. excav. 3,530 lin.ft. curb, etc., to R. R. Moran, Grosse Pointe Farms, $22,745. Noted July 5.

Mich., Port Huron—St. Clair Co. Road Com. grading and gravel surfacing 37,341 sq.yd. Assessment Dist. Rd. 70, to Moore-Elmer Co., Snover, $34,487; grading and concrete surfacing 14,992 sq.yd. Assessment Dist. Rd. 58, to J. H. Baker & Sons, Port Huron, $41,631.

Wisconsin—State Hy. Comn., Madison, grading, surfacing, etc., to E. Knutson, La Crosse, Blair Ettrick Rd., 5,582 sq.yd. gravel $3.50, etc., total $20,692; to H. Nelson, Osseo, Blair-Ettrick Rd., Trempealeau Co., 21,129 cu.yd. earth excav. $0.35, 3,966 cu.yd. gravel $3.40, etc., total $32,568; to Tilseth & Ofstie, Menomonie, Wilson-Knapp Rd., Dunn Co., 14,814 cu.yd. earth excav. $0.42, etc., total $21,489; to W. E. Ule, Stevens Point, Sherry-Auburndale Rd., Wood Co., 17,448 cu.yd. earth excav. $0.70, 50,699 sq.yd. concrete $1.33, etc., total $93,105, Milladore-Blenker Rd., Wood Co., 1,093 cu.yd. earth excav. $1, 5,409 sq.yd. concrete, $1.60, etc., total $10,473; to Universal Eng. Co., Ingram Blk., Eau Claire, 10,600 sq.yd. concrete $1.68, etc., total $19,257. Noted June 21.

Wisconsin—State Hy. Dept., div. office, Stephenson Bldg., Milwaukee, concrete surfacing, etc., 40,000 sq.yd. Kilbourn Rd., Racine Co., to Brennan & Bounsall, 709 Exch. St., Kenosha, $84,292. Noted July 5.

Ia., Forest City—Winnebago Co. grading and graveling various roads, to G. N. Gjellefold, Forest City, 74,340 cu.yd. earth excav. $0.265, 24,874 cu.yd. gravel $0.35, etc.

Ia., Lamona—Paving, etc., 7,900 sq.yd. various streets, vitr. brick, to Cook & Stucker, Kansas City, Mo., $3.45 per sq.yd., total $27,255. Noted June 14.

Ia., Lamoni—Paving 9 blocks, vitr. brick, to Cook & Stucker, Ottawa, $37,209.

Ia., Mason City—Paving various streets to Dearborn Constr. Co., Waterloo, 14,093 sq.yd. rein.-con. $2.76, 10,479 lin.ft. curb $0.66.

Ia., Ottumwa—Paving 16,013 sq.yd. Hancock St. and Madison Ave., 11,588 lin.ft. curbing, to Matthes Constr. Co., Davenport, $68,434.

Ia., Ottumwa—Vitr. brick paving 16,014 sq.yd. City Project 23, to Mathes Coal & Constr. Co., Davenport, $68,435.

Minn., Fergus Falls—Paving 17,900 sq.yd. various streets, to W. E. Kennedy Co., Fargo, N. D., vibrolithic concrete on 7½ in. gravel $2.87 per yd., 3 in. vitr. brick $3.65, total $70,880. Noted June 28.

Minn., St. Paul—Ramsey Co., paving with one course concrete (a) 24,561 sq.yd. New Brighton Rd. from north end of present paving to Cleveland Ave. in New Brighton, 8,291 cu.yd. excav., 1,360 lin.ft. concrete curb, etc., (b) 11,496 sq.yd. Edgerton St. from north city limits of St. Paul to south end of paving at Co. Rd. B, 4,818 cu.yd. excav., 8,033 cu.yd. overhaul, etc. to Ganley Bros. Inc., 501 Endicott Bldg., (a) $65,569 (b) $33,461. Noted June 14.

Kan., Oswego—Labette Co. grading 7.901 mi. Federal Aid Project 126, Sect. A, 16 ft., to W. S. Fisher, Oswego, earth $0.38, rock $2.25, burrow $0.38, Class A and C concrete $20.50 and $18 per yd., respectively, etc., total $44,124. All bids on surfacing rejected. Noted May 17.

Mo., St. Louis—Bd. Pub. Serv., City Hall, improving 12th St., trinidad asphalt, to Central Paving Co., Fullerton Bldg., $90,231; Hebert and Utah Sts., bitulithic, to Granite Bituminous Paving Co., Ry. Exch. Bldg., $27,402 and $17,270 respectively; Osceola St. from Ohio St. to Bway., also Tyrolean St. and Elmer Ave., rein.-con., to Eyerman Constr. Co., 1216 South Grand Blvd., $7,590 and $20,451 respectively; Osceola St. from Ohio St. east, rein.-con., to J. E. Perkinson, 3237 Carter St., $5,472; Schollmeyer St., rein.-con. to Skrainka Constr. Co., Security Bldg., $13,448. Noted July 5.

Mo., University (St. Louis P. O.)—E. B. Colby, city clk., repaving ½ mi. Delmar Blvd., bitulithic concrete, to Granite Bituminous Paving Co., Ry. Exch. Bldg., St. Louis, $34,524, engrs. est. $32,127. United Railways will pave between double car tracks with dressed granite block. Noted June 21.

Tex., Crockett — Paving 16,500 sq.yd. various streets, vitr. brick with asphalt filler on concrete, 3,000 ft. curb and gutter, 3,000 ft. 6-8 in. water mains, etc., to Smith Bros., Crockett, $75,000. Noted June 14.

Okla., Hooker — Curbing, guttering and brick paving various streets, to J. Stanton, 6th and Kiowa Sts., Leavenworth, Kan., brick at $4.30, curb and gutter $1.25, gutter $1.30, etc., total $109,399.

Ark., Little Rock—Grading and paving with asphalt 13,500 sq.yd. in Street Impvt. Dist. 348, 4,000 cu.yd. earth excav., 7,500 lin.ft. plain header curb, 3,600 lin.ft. curb and gutter, 2,000 lin.ft. storm sewer, to M. D. L. Cook, Southern Trust Bldg. Engrs. est. $60,000.

Calif., Los Angeles—Improving 1st St. between 2nd St. and Rampart Blvd., to G. H. Oswald, 366 East 58th St., total for grading $110,000, 263,249 sq.ft. asphalt at $0.30, 190,664 sq.ft. concrete $0.29, 13,616 sq.ft. finish grading, oil and rolling $0.07, 16,414 sq.ft. concrete curb $0.58, $5,458

Streets and Roads (Continued)

sq.ft. concrete walks $0.20, 11,721 sq.ft. concrete gutter $0.32, etc.

Calif., Los Angeles — Los Angeles Co. to Griffith Co., Railway Bldg., improveing Los Angeles St. between Main Ave. and Azusa Canyon Rd., 12,444 sq.yd. shaping, 3,958 sq.yd. 2 in. and 8,486 sq.yd. 2½ in. asphaltic concrete, 3,958 sq.yd. 4½ in. asphaltic concrete base, 12,444 sq.yd. flush coat, etc., $28,550; Florence Ave. between Wright Rd. and Compton Jaboneria Rd., 7,117 cu.yd. excav., 17,730 sq.yd. shaping, 17,730 sq.yd. concrete paving, $48,775. Noted June 21.

Calif., Redding—Improving North Market St., 69,000 sq.ft. 1½ in. warrenite bitulithic on 3½ in. asphaltic concrete, 4,407 sq.ft. concrete gutter, etc., to Warren Constr. Co., Bacon Bldg., Oakland, $25,130.

Calif., Sausalito — Improving various streets in 1st Dist., 14,000 cu.yd. excav., 110,000 sq.ft. 5 in. concrete, 132,000 sq.ft. bituminous macadam, 15,000 lin.ft. granite rubble gutter, etc., to MacDonald Impvt. Co., 567 Pacific Bldg., San Francisco, $99,-945. Noted July 12.

Calif., Watts—To Braun-Bryant-Austin, 16th-4th St., Santa Monica, grading, concrete curbing, paving with National paving, etc., Pine and Oak Aves., $29,585; Federal and Beaver Sts., $12,674; Aurora and Rose Aves., $30,751.

Ont., Chatham—Resurfacing 34,000 sq.yd. Park St., asphalt, labor to Cutter & Miller, Power House Bldg. Engrs. est. $30,000.

Ont., Toronto—Paving 18,000 sq.yd. Parliament St., asphalt on concrete, to Godson Contg. Co., Manning Chambers, $83,309.

Industrial Works

PROPOSED WORK

Mass., Fall River—Center Garage Co., 101 2nd St., 2 story, 100 x 200 ft. garage, concrete, brick and steel, plain foundation, 4th and 5th Sts., to Greany & Sherry, 37 North Main St. Archts. est. $100,000.

Mass., Gardner—Gardner Muslin Underwear Co., Parker St., having plans prepared by C. C. Barthel, Gardner, 1 story and basement, 50 x 145 ft. plant, brick and timber. $40,000.

Mass., Worcester—Amer. Steel & Wire Co., Grove St., takes bids in early fall, 1 story, 55 x 100 ft. and 20 x 30 ft. annealing plant, rein.-con. and steel, plain foundation. $150,000. Private plans.

N. Y., Altmar—See "Miscellaneous."

N. Y., Buffalo—S. Landt, 494 Elmwood Ave., plans 33 x 85 ft. garage, 12 ft. high, brick and steel. $40,000. Engineer and architect not announced.

N. Y., Carthage—Carthage Sulphite Pulp & Paper Co., Front St., plans repairing concrete and brick plant, damaged by fire. $100,000. G. C. Jones, mgr.

N. Y., Jamestown—Jamestown Malleable Products Co., Tiffany Ave., 1 story, 50 x 200 ft., brick, concrete and steel foundry addition, to C. Haas, 10th and Monroe Sts. Archts. est. $50,000.

N. Y., Massena—Mica Co. of Canada Ltd., Hull, Que., purchased Diamond Creamery plant, here, and plans alterations and additions, $50,000. E. G. Rykert, pres.

N. Y., Rochester—Addison Lithographing Co., Griffith St., fireproof plant, 30,000 sq.ft. floor space, Hollenbeck St., to J. B. Pike Co., Rochester, Archts. est $85,500. Noted Apr. 26.

N. Y., Rochester—Don-O-Lac Co., 770 Exchange St., plans rebuilding portion of factory, destroyed by fire. $50,000. Engineer and architect not announced.

N. Y., Rochester—Eastern Kodak Co., Kodak Park, plans 40 x 58 ft., concrete, brick and steel addition, 67 ft. high, to Bldg. 45. $40,000.

N. Y., Watertown—See "Miscellaneous."

Pa., Centralia — Lewis Bros. Shirt Co. plans rebuilding factory, recently destroyed by fire. $50,000. Engineer and architect not announced.

Pa., Oil City—Penn. Amer. Refining Co. plans to rebuild portion of its refinery, destroyed by fire. $85,000. Engineer and architect not announced.

Pa., Sharpsburg—Natl. Eng. and Mchy. Co. plans addition to factory. $50,000. Engineer and architect not announced.

Pa., Susquehanna — Susquehanna Tri Boro Throwing Co. plans to rebuild mill, Erie Ave., destroyed by fire., $50,000. Engineer and architect not announced.

Md., Baltimore — Baltimore News & American, Fayette and Calvert Sts., having plans prepared by G. R. Callis, Jr., American Bldg., 6 story, 60 x 150 ft. printing plant, rein.-con. and brick, concrete pile foundation, Pratt and Commerce Sts. $750,000.

Md., Baltimore—Flynn & Emrich, 305 North Holliday St., plans foundry, machine and casting shops, storage and boiler houses, concrete and steel. $75,000. Private plans.

W. Va., Huntington—Huntington Advertiser, 921-4th Ave., having plans prepared by R. L. and S. L. Day, 1st Natl. Bank Bldg., 3 story, basement and sub basement, 40 x 90 ft., brick and tile plant, 10th St. and 5th Ave. $100,000.

La., Shreveport — Caddo-DeSoto Cotton Oil Co. plans rebuilding 80 x 200 ft. and 60 x 325 ft. plant, destroyed by fire. $60,-000. M. Stockbridge, vice-pres.

Tenn., Nashville—Southern Glass & Door Co., 218 2nd Ave., N., plans 100 x 185 ft. warehouse, 1st Ave. near Church St.

O., Akron—Northern Ohio Traction & Light Co., Terminal Bldg., plans 3 story, 47 x 65 ft. power sub-station, 461 Water St. $135,000. J. E. Eckrode, Terminal Bldg., engr.

O., Cleveland Heights (Warrensville P. O.)—Thorsell Bros., Mayfield Rd., had plans prepared by H. L. Shupe, 12429 Cedar Ave., Cleveland, 1 story, 50 x 110 ft., brick and steel garage. $40,000.

Ind., Cambridge — Cambridge Light & Power Co. plans electric light and power plant. $50,000.

Mich., Ironwood—N. A. Nelson, archt., Ironwood, preparing plans 3 story and basement, 100 x 162 ft. brick and concrete garage. $70,000. Owner's name withheld.

Ill., Chicago—W. F. Black & Co., Inc., Lamon and Bloomingdale Rds., having plans prepared by C. O. Liska, 35 South Dearborn St., 2 story, 200 x 450 ft. addition to factory, brick and timber. $200,000.

Ill., Chicago—J. S. Hoffman Co., 219 North Franklin St., having plans prepared by A. Epstein, 2001 West Pershing Rd., 3 story, 95 x 100 ft. warehouse, fireproof, Orleans and Illinois Sts. $200,000.

Wis., Green Bay—Green Bay Motor Car Co., 316 North Jefferson St., plans 2 story and basement, brick and concrete garage, plain foundation, Main St. $50,000. Engineer and architect not selected.

Wis., Manitowoc — Manitowoc Products Co., c/o O. H. Senglaub, plans 2 story, ice cream plant and dairy, brick, rein.-con. and steel, plain foundation, 9th and Marshall Sts. $50,000. Engineer and architect not selected.

Wis., Milwaukee — Retailers' Tallow & Calfskin Assn., c/o J. Herman, 2322 State St., having plans prepared by M. Fernekes, 915 Chestnut St., 1 and 4 story, 72 x 90 ft., brick and concrete plant, plain foundation. $50,000.

Wis., Neenah—H. and W. Niles, c/o Neenah Boat Wks., plans 2 story, brick, rein.-con. and steel addition, plain foundation. $50,000. Engineer and architect not selected.

Kan., Wichita—Wichita Union Stock Yards, Exch. Bldg., plans addition to horse and mule building, rein.-con. $40,000, Private plans.

Missouri—State Hy. Comn., Jefferson City, takes bids in about 60 days for plant or plants for manufacture of cement to be used on state roads during 1924-1928. Five plans under consideration, (1) furnishing cement only (2) erection of plant or plants to supply cement needed in 1924-28, state to furnish 50% of needed funds, bidder to erect and operate plant (3) commission to advance all funds for erection of plant, bidder to advance working capital and operate plant or plants, and bidder to specify price at which plant would be sold to him Dec. 31, 1928 (4) commission to advance all funds for erection of plant or plants, bidder to advance working capital and operate same, under this plan funds advanced would be refunded on barrel basis (5) commission to advance funds for erection and operation of plant, bidder to erect and operate it on percentage basis. Cost $2,000,000 if single plant is erected, $1,000,000 to $1,250,000 each if 2 plants are erected. T. Gary, chn.

Mo., St. Louis—Police Dept., 208 South 12th St., plans 2 story, rein.-con. and brick garage, repair shop, carpenter shop, armorer department, etc., Laclede Ave. $75,-000. Private plans.

Tex., Eastland — Arab Gasoline Corp. making plans carbon black plant. $450,-000. Private plans.

Tex., Ft. Worth—Bucy Ingram Lumber Co., W. T. Waggoner Bldg., plans 2 story, 100 x 264 ft. mill, Park Pl. $50,000. Private plans.

Tex., Ft. Worth—Cascade Laundry plans 2 story and basement, 140 x 177 ft., brick and concrete, laundry, plain foundation, 7th St. along Trinity River. $100,000. C. B. Capps, Denver-Record Bldg., engr. Architect not announced.

Wash., Port Angeles—See "Buildings."

Calif., Los Angeles—California Milling Co., c/o Hamm & Grant, engrs., Ferguson Bldg., plans 5 story, flour mill and warehouse, brick and timber, 55th and Alameda Sts.

Calif., Long Beach—Pacific Steel Corp. plans steel rolling mill, on 20 acre site. To exceed $10,000,000. D. M. Reynolds, 1st Natl. Bank Bldg., Los Angeles, interested.

Ont., Ford—Ford Motor Co. of Canada, 672 Dupont St., Toronto, having plans prepared by A. Kahn, Marquette Bldg., Detroit, Mich., 1 or 2 story heat treatment building, rein.-con. and brick, plain foundation, at plant, here. $200,000.

Ont., Merritton—Garden City Paper Co. plans paper mill, concrete, brick and steel, plain foundation. $400,000. L. H. Gardner, pres. Engineer and architect not selected.

Ont., Toronto—Hydro Electric Power Comn. of Ontario, 190 University Ave., plans addition to transformer station, concrete, brick and steel, Davenport St. $150,000. F. A. Gaby, ch. engr.

Ont., Toronto — Mahaffy Iron Wks., 4 Trafalgar Ave., plans factory, brick and timber, Kendall Ave. $50,000.

Ont., Woodstock—Woodstock Paper Box Co. plans rein.-con. and brick addition to mill, plain foundation. $150,000. J. Evans, Galt, archt.

BIDS DESIRED

N. Y., Ossining—July 31, by C. F. Rattigan, supt. State Prisons, Albany, refrigeration plant, Clinic Building 8, Building 4, Mess Hall and Kitchen Building 4, etc., at Sing Sing Prison, here. S. W. Jones, Albany, state archt.; adv. this issue.

Pa., Coraopolis—Vulcan Oil Refining Co. will rebuild 1 story, 130 x 190 ft., brick refinery, 3rd Ave. and Kendall St., by separate contracts. Private plans. Address J. N. McAllister, c/o owner.

Pa., Uniontown — M. Friedman taking bids 2 story and basement, 124 x 150 ft., brick and stone, Fayette and Wilson Sts. $40,000. Private plans.

Ill., Chicago—P. C. Winn, c/o J. Burns, archt., 64 West Randolph St., receiving bids 2 story fireproof addition to garage, Sheriden and Morse St. $150,000.

Ill., Harvey—S. Ward Hamilton Co., 152nd St., taking bids 1 story, 90 x 170 ft. factory addition, fireproof, 152nd St. $60,-000. H. Raeder, 20 West Jackson Blvd., archt.

O., Cleveland—Balbin Bros., 2741 East 34th St., taking bids and open same about July 27, 5 story and basement, 115 x 145 ft., brick, steel and concrete warehouse, East 35th St. $150,000. A. Soffen, Ulmer Bldg., archt.

O., Cleveland — Aetna Rubber Co., 811 East 79th St., 2 story, 50 x 60 ft. and 2 story, 33 x 133 ft. brick and steel factory, 811 East 79th St., to Hunkin-Conkey Constr. Co., Century Bldg. Archts. est. $50,000. Noted July 12.

O., Cleveland — Brodhead-Garrett Co., 2835 East 51st St., 300 x 360 ft. timber warehouse, 40 x 40 ft. dry kiln, 40 x 50 ft. planing mill, also boiler house, office and garage, brick and steel, East 71st St. along tracks of Belt Line R.R., to C. Peterson Co., 45 Euclid Ave. Archts. est. $150,000. Former contract rescinded. Noted June 21.

Ill., Chicago—Owner, c/o Rienzi Garage 554 Diversey Parkway, 2 story, 150 x 250 ft. garage, fireproof, Lehman St. near Dale St., to P. M. Schroter, 6447 North Rockwell St. Archts. est. $250,000.

Wis., Madison—W. Brueski, 2805 East Washington Ave., will build 2 story, 50 x 90 ft. garage and repair shop, brick and rein.-con., plain foundation, by day labor. $40,000. Private plans. Noted July 28.

Wis., Milwaukee—L. Hunt, archt., 445 Milwaukee St., taking bids and opens same about July 23, 2 story, 40 x 57 x 85 ft., battery service building, brick and concrete, plain foundation, Fond du Lac Ave., for A. R. Lemm, 1242 40th St. $40,000.

Wis., Milwaukee—Pittsburg Plate Glass Co., 213 Lake St., rejected bids 5 story, 90 x 140 ft., brick and concrete plant, plain foundation. Will readvertise. Kirchoff & Rose, 221 Grand Ave., archts.

Wis., Random Lake—Krier Preserving Co., Belgium, 2 story, brick and timber cannery, plain foundation, here, to West Bend Constr. Co., West Bend. $40,000.

Industrial Works (Continued)

Wis., Shawano—J. Popp taking bids 2 story, 40 x 48 ft. garage and repair shop, brick and rein.-con., plain foundation. $40,000. Private plans. Noted Apr. 26.

Wis., Waterloo—Lazers & Sons Motor Co., Marshall, will build 2 story, 45 x 80 ft., brick and concrete garage, plain foundation, by day labor. $40,000. Private plans.

CONTRACTS AWARDED

Me., Portland — Portland-Nash Co., 3 story, 120 x 140 ft. garage and machine shop, concrete, plain foundation, to F. A. Rumery Co., Portland, $150,000. Archts. est. $175,000. Noted Apr. 19.

Mass., Boston—City, 2 story, 125 x 200 ft. garage, concrete and steel, Albany St., to J. B. Dolan, 43 Tremont St., $152,490. Noted June 14.

Conn., Hartford—S. S. Nelson, 20 Magnolia St., had plans prepared by F. C. Walz, Trumbull St., 1 story, irregular shaped garage, etc., brick and steel, plain foundation, Church St. $65,000.

Conn., Hartford—New England Laundry Co., Hawthorne St., 2 story, 40 x 40 ft. factory addition, brick, plain foundation, Hawthorne St., to C. P. Waterman, Inc., 43 Farmington St. Archts. est. $40,000. Noted July 12.

Conn., Manchester — Orford Soap Co. Hilliard St., had plans prepared by L. Geer, 62 Prospect St., 1 story, 140 x 160 ft. storehouse, brick, plain foundation, $50,000.

Conn., Middletown—Frissel Fabric Co., 26 Frissel St., 1½ story, 60 x 100 ft. factory, brick, plain foundation, Silver St., to D. O'Brien & Sons Co., 118 Asylum St., Hartford. Archts. est. $60,000. Noted May 17.

Conn., New Haven — Semon Ice Cream Co., 110-112 Bristol St., 2 story and basement, 40 x 103 ft. factory addition, brick and rein.-con., plain foundation, Bristol St., to Larkin-Carey Co., 166 Brewery St. Archts. est. $40,000.

Conn., West Hartford (Hartford P. O.) —B. A. Sellew, archt., 721 Main St., taking bids 1 story, 100 x 100 ft. garage, rein.-con. and brick, plain foundation, Prospect Ave., for Cohn & Feinsilber. $40,000. Noted June 28.

N. Y., Brooklyn—Aaron Constr. Co., c/o A. Goldberg, archt. and engr., 164 Montague St., will build 1 story, brick, steel and concrete garage, plain foundation, Empire Blvd., by day labor. $85,000.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., general contract additions and alterations at asphalt plant, 90th St. and East River, from W. W. Constr. Co., 51 East 42nd St., $49,600. Noted July 5.

Pa., McKeesport—H. W. Waldbaum, 6th and Walnut Sts., will build 4 story, 60 x 140 ft. garage, rein.-con., brick and tile, Walnut St., by day labor. $50,000.

Pa., Millvale (Pittsburgh P. O.)—A. Gerzowski, Searcy Rd., 2 story and basement, 41 x 100 ft., garage, Grant Ave., to J. H. Schran, 1618 Marys St., Sharpsburg. Archts. est. $40,000.

Pa., Phila.—General Electric Co., Witherspoon Bldg., first unit of power plant, on twenty acre site, 56th St. and Elmwood Ave., to White Constr. Co., 95 Madison Ave., New York City.

Pa., Scottdale—United States Cast Iron Pipe & Fdy. Co., Burlington, N. J., general contract 1 story, 106 x 263 ft., steel and corrugated iron factory to Austin Co., 16112 Euclid Ave., Cleveland, O., Est. cost $55,000.

Pa., Scranton—A. Anderson, 409 Adams Ave., 1 story, 40 x 160 ft., limestone, concrete, brick, steel and tile garage, salesroom and service station, Adams Ave., to R. D. Richardson Constr. Co., Cornell Bldg., Scranton. Est. cost $40,000.

Pa., Warren—J. T. Newell, Penna. Ave., 3 story, brick and concrete printing shop, 3rd and Liberty Sts., to H. Shenk Co., Erie. Archts. est. $50,000.

Md., Baltimore—Atlas Safe Deposit & Storage Co., 820 George St., 4 story and basement, 50 x 100 ft. warehouse, concrete and brick, plain foundation, Edmondson Ave., along tracks Philadelphia, Baltimore & Washington R.R., to Consolidated Eng. Co., Calvert Bldg. Archts. est. $160,000.

W. Va., Logan—Miller Logan Supply Co., Huntington, 6 story and basement, 100 x 103 ft. warehouse, brick and tile, here, to C. W. McNulty Co., 208-4th St., Huntington. Archts. est. $150,000. Noted Jan. 4.

N. C., Kinston—See "Buildings."

S. C., Paris—Southern Worsted Mill Co., 1 story, 180 x 578 ft. mill, to Gaston Constr. Co., Gastonia, N. C.; 86 houses, to Minter Homes Co., Greensboro, N. C., $135,000.

Ga., Macon—Clinchfield Portland Cement Co., Kingsport, Tenn., will build plant, near here, by day labor. $1,000,000. Private plans.

La., New Orleans—Longsfield Bros., Baronne and Lafayette Sts., 2 story (ultimately 3 story), 127 x 160 ft., brick factory, Tchoupitoulas and Calliope Sts., to G. E. and E. E. Reimann, Ltd., Weis Bldg., $74,114. Noted May 31.

Mich., Detroit—Detroit Lubricator Co., 5938 Trumbull Ave., 4 story, 120 x 140 ft. rein.-con. and brick addition to factory, to A. A. Albrecht Co., 1130 Penobscot Bldg. Noted June 14.

Mich., Detroit—Peoples Outfitting Co., 150 Michigan Ave., 6 story, 70 x 134 ft. rein.-con. and brick addition to warehouse, Vinewood Ave., to Bryant & Detwiler Co., 2336 Dime Bank Bldg.

Ill., Peoria—Commercial Solvents Corp., remodeling 4 buildings and constructing 100 x 300 ft. fermerter building, 40 ft. high, steel and corrugated iron, to Stone & Webster, Inc., 147 Milk St., Boston.

Wis., Appleton—Northern Boiler & Structural Iron Co., Mill St., will build 1 story, 60 x 100 ft., boiler shop, brick and steel, plain foundation, by day labor. $40,000. Private plans.

Wis., Green Bay—Beaumont Hotel Co., West Main and Washington Sts., 1 and 2 story, 60 x 160 ft., brick and concrete garage, plain foundation, to Regal Constr. Co., 134 South Adams St. Archts. est. $40,000.

Wis., Racine—Lockwood Oil Co., 1421 Racine St., 2 story and basement, 40 x 100 ft., brick and concrete filling station, plain foundation, to W. Fergus, 119 Irving St. Archts. est. $40,000. Noted Feb. 8.

Wis., Milwaukee—Sinclair Refining Co., 425 East Water St., will build 40 x 60 ft. service station and 20 x 20 ft. filling station, brick and concrete, plain foundation, by day labor. $40,000. Private plans.

Mo., St. Louis — Primm-Tesson Realty Co., 1942 North 2nd St., 1 and 2 story, 125 x 295 ft., rein.-con. and brick factory and office building, Tesson St., to Fruin Colnon Constr. Co., Merchants Laclede Bldg. Archts. est. $100,000. Scharff-Koken Mfg. Co., 403-29 Tesson St. and 7905-15 Michigan Ave., lessee.

Tex., Eastland — Arab Gasoline Corp. gasoline plant, to F. Dalton and A. F. Mueller, Eastland, $250,000. Noted Mar. 29.

Tex., Sweetwater—United States Gypsum Co. will build factory by day labor. $1,000,000. G. W. Rathjens, Sweetwater, archt. and engr.

Okla., Oklahoma City—University Hospital, 800 East 13th St., 2 story, power house, rein.-con., brick and steel, to Kreipke Schafer Constr. Co., 615 Hersk St., $50,000.

Calif., Los Angeles—I. Eisner, 438 South Kingsley Dr., 6 story and basement, warehouse and loft, rein.-con., 6th St. near Hope St., to R. E. Millsap, Marsh-Strong Bldg., $103,000.

Ont., Iroquois—H. H. Coldwell, 1 story, 37 x 144 ft. mill, concrete, brick and steel, to R. Briggs, Hallville. Est. cost $40,000.

Ont., Weston—Toront Free Hospital for Consumptives, Buttonwood Ave., Toronto, central heating plant, here, piping, radiation and installation to Purdy Mansell Ltd., 63 Albert St., Toronto; boilers, furnaces and steel stack to J. Inglis Co., Ltd., 14 Strachan Ave., Toronto. Total est. $50,000. Noted June 14.

Buildings

PROPOSED WORK

Mass., Northampton—School—City plans 2 story, 80 x 100 ft., brick and timber, New South St. $150,000. K. S. Putnam, 78 Main St., archt. and engr.

Conn., Bridgeport—Business—Estate of S. Wheeler, 1188 Main St., having plans prepared by W. Schmidt, 1188 Main St., 8 story, 68 x 70 ft., brick, steel and concrete, Main and Golden Hill Sts. $175,000. Monks & Johnson, 99 Chauncy St., Boston, associated archts.

N. Y., Medina—Hospital—Medina Hospital Assn. plans modern fireproof hospital. To exceed $150,000. D. White, secy. Engineer and architect not selected.

N. Y., New York—Home—Beth Abraham Home for Incurables, c/o Wiseman & Taussig, archts. and engrs., 25 West 43rd St., soon takes bids 3 story, brick, steel and stone, plain foundation, Allerton Ave. $200,000.

N. Y., Oswego—Welfare and Administration—See "Miscellaneous."

N. Y., Schenectady—Y.M.C.A. Building Com., 13 State St., plans new concrete, brick and steel association building and dormitory. $600,000. F. Hoppmann, chn.

N. J., Asbury Park—High School—Bd. Educ. rejected bids June 26, [illegible] brick, stone and stone, plain foundation, $600,000. Will readvertise. E. A. Arend, 105 West 40th St., New York City, archt. and engr. Noted June 21.

Pa., Farrell—Store and Apartment—J. L. Roux had plans prepared by W. A. Ullom, Horton Bldg., 2 story and basement, 33 x 160 ft., brick, tile and steel, Bway. $175,000.

Pa., Greensburg — Church — St. Holy Sacrament Congregation having preliminary plans prepared by Cones, Perry & McMullen, Renshaw Bldg., Pittsburgh, 1 story and basement, steel and stone. $17[illegible],000.

W. Va., Huntington—Court House—Cabell Co. having plans prepared by R. L. and S. L. Day, 1st Natl. Bank Bldg., 2 story and basement, 65 x 106 ft., rein.-con. and stone. $150,000.

W. Va., Welch—High School—Bd. Educ. having plans prepared by A. B. Mahood, L. & C. Bldg., Bluefield, 3 story and basement, 60 x 136 ft., brick and stone. $150,000.

Ga., Savannah—Hotel—R. F. Hicks plans 6 story, 33 x 184 ft., Congress and Abercorn Sts., to be known as John Wesley Hotel. $150,000.

La., Baton Rouge—Chemistry, etc.—Greater Agricultural College having plans prepared by T. Link, c/o owner, chemistry building $500,000, and cafeteria building $150,000.

Tenn., Nashville—Memorial—Vanderbilt University having preliminary plans prepared by H. C. Hibbs, 4th and 1st Natl. Bank Bldg., memorial building on campus. $250,000.

O., Cleveland—Apartment—I. Shur, 202 Ulmer Bldg., had plans prepared by Braneman & Havermaet, Ulmer Bldg., 2 story and basement, 64 x 103 ft., brick, East 140th St. near Lake Shore Blvd. $150,000.

O., Cleveland—Commercial and Office—Phoenix Mortgage Co., Natl. City Bldg., having plans prepared by C. B. Rowley, Union Bldg., 2 or 4 story, 102 x 135 ft., brick, steel and concrete, East 17th St. and Superior Ave. $150,000. Noted May 10.

O., Steubenville — Church—Peterson & Clarke, archts., Steubenville, soon take bids 100 x 153 ft. church with 70 ft. tower, Indiana limestone, 5th St., for First United Presbyterian Church. $150,000.

Mich., Ecorse—Hotel—P. Petljanski, 7721 Jos. Campau Ave., Detroit, plans 2 story and basement, 110 x 180 ft., rein.-con., brick, terra cotta and steel, here. $200,000. P. R. Rossello, 406 Congress Bldg., Detroit, archt.

Ill., Chicago—Apartment—F. A. Siebold, Jr., c/o B. L. Steif & Co., archts., 64 West Randolph St., plans 16 story, 100 x 150 ft., fireproof, Sheridan and Brompton Sts. $2,000,000.

Ill., Chicago—Hospital—Washington Blvd. Hospital, Washington and Campbell Sts., plans 5 story addition, fireproof, Washington and Campbell Sts. $700,000. Berlin, Swern & Randall, 17 South LaSalle St., archts.

Ill., Chicago—Store and Apartment—S. K. Gaff, c/o Folty & Brand, archts., 111 West Washington St., plans 3 story, 140 x 180 ft., fireproof, Crawford and Roosevelt Sts. $300,000.

Ill., Upper Alton (Alton P. O.)—Administration-Shurtleff College having revised plans prepared by W. E. Trueblood, archt., and H. Graf, associated archt., Chemical Bldg., St. Louis, Mo., 3 story and basement, 45 x 120 ft., rein.-con. and brick, plain foundation, $150,000. Former bids rejected. Noted May 3.

Wis., Beloit—Hospital—Beloit Municipal Hospital Com., plans 4 or 6 story, brick, rein.-con. and steel, plain foundation. $250,000. T. B. Woolsey, Hook Bros. Bldg., chn. Engineer and architect not selected.

Wis., Green Bay—Y. M. C. A., c/o A. F. Grim, secy., Minahan Bldg., having plans prepared by Foeller, Schober & Stephenson, Nicollet Bldg., 3 or 4 story and basement, brick and concrete, plain foundation. $400,000. Noted Oct. 19.

Wis., Milwaukee—Business—H. H. Brun, archt., 845 26th St., making plans 2 story and basement, 82 x 120 ft., brick, concrete and terra cotta, plain foundation, West Side. $150,000. Owner's name withheld.

Ia., Manning — Hospital — A. Dohmen, archt., 68 Wisconsin St., Milwaukee, Wis., preparing preliminary plans 2 story and basement, 84 x 186 ft. hospital and 40 x 150 ft. power house and laundry, brick and concrete, here. $300,000. Owner's name withheld.

Ia., Marion—School—July 24, to vote on $150,000 bonds for school. W. J. Brown, 201-203 Amer. Trust Bldg., Cedar Rapids, archt.

Buildings (Continued)

Mo., St. Louis—School—Bd. Educ., 911 Locust St., takes bids about Sept. 1, 3 story and basement, brick and rein.-con., 10,000 sq. ft. floor space, Walnut St. $250,000. R. M. Milligan, Bd. Educ. Bldg., archt. and engr.

Mo., University (St. Louis, P. O.)—Temple—University Temple Assn., c/o University Lodge 649 having plans prepared by J. W. Leight, Ry. Exch. Bldg., St. Louis, 2 story and basement, 50 x 100 ft., rein.-con., marble and Bedford stone, Delmar Ave. $150,000.

Kan., Wichita—Business—L. E. Heckard, c/o G. W. Metz Lumber Co., plans 4 story and basement, rein.-con. and brick, 32nd and Main Sts. $150,000. Private plans.

Kan., Wichita—Temple—York Rite Masonic Temple having plans prepared by Eberson & Weaver, 504 Orpheum Bldg., 7 story and basement, 75 x 134 ft., rein.-con., brick and terra cotta. $400,000.

Ark., Hot Springs—Hotel—C. G. Owens, c/o Sorey & Vahlberg, archts., 233 Terminal Arcade Bldg., Oklahoma City, Okla., preparing plans 6 story and basement, 75 x 93 ft., rein.-con., brick and stone. $250,000.

Tex., Denton—Schools—Bd. Educ. takes bids about July 25, 2 story and basement 85 x 125 ft. High School, brick and concrete, and 1 story, 125 x 150 ft. Ward School, brick and stone. $150,000 and $50,000 respectively. W. G. Clarkson, 1st Natl. Bank, Ft. Worth, engr. and archt. Noted July 12.

Tex., Galveston—High School—Bd. Educ. having plans prepared by W. B. Ittner, archt., Bd. Educ. Bldg., St. Louis, Mo., and De Witt & Lemmon, associated archts., 507 Southwestern Life Bldg., Dallas, 3 story addition to Ball High School, remodeling present building and constructing new heating plant, rein.-con., brick and stone. $320,000.

Tex., Galveston—School—Bd. Educ. takes bids about latter part of August 2 story, rein.-con. and brick, plain foundation, 31st and L Sts. $175,000. Dewitt & Lemmon, Southwestern Life Bldg., Dallas, engrs. W. B. Ittner, Bd. Educ. Bldg., St. Louis, Mo., archt.

Wash., Port Angeles—Hotel, etc.—Lillliwaup Land & Resort Co. having tentative plans prepared for development of tourist resort on Hoods Canal. Plans under way for 600 room hotel, cottages costing $7,000-$10,000 each, 4,000 hp. plant. Total $1,000,000.

Calif., Anaheim—Bank and Office—S. Kraemer, Kraemer Bldg., having plans prepared by M. E. Durfee, Kraemer Bldg., 8 story and basement, fireproof, East Center St. To exceed $150,000.

Calif., Hanford—Auditorium—City voted $190,000 bonds for auditorium. J. A. Crawshaw, pres. Civic Center Com. Noted June 6.

Calif., Los Angeles—Loft—Stern Co., c/o T. B. Keim, archt., Haas Bldg., had plans prepared 3 story and basement, 45 x 125 ft., brick, South Maple St.

Calif., Los Angeles—Office—J. Toplitzky, H. W. Hellman Bldg., having preliminary plans prepared by Schultz & Weaver, 17 East 49th St., New York City, 11 story and basement, 105 x 120 ft., Spring and 7th Sts. $1,000,000 or more.

Calif., Mt. Tamalpais (Ross P. O.)—Hotel and Tavern—Mt. Tamalpais & Muir Woods Ry., Pacific Bldg., San Francisco, plans hotel and tavern, fireproof, here. To exceed $150,000. R. H. Ingram, mgr. Bliss & Faville, Balboa Bldg., San Francisco, archts.

Calif., San Francisco—Store and Loft—Marian Realty Co., 1171 Market St., having plans prepared by D. C. Coleman, 1171 Market St., two 3 or 4 story and basement, rein.-con., Market St. near 8th St. $150,000 each.

Calif., Watsonville—Schools—Watsonville Union High School Dist., and Watsonville Grammar School Dist., having plans prepared by W. H. Weeks, 369 Pine St., San Francisco, rein.-con. gymnasium for high school, $100,000, and 2 grammar schools, $100,000. Noted June 14.

Que., Quebec—Hospital—Sisters of Quebec Hospital, 11 Palace Hill, having sketches made by Stevens & Lee, 62 Charles St., Toronto, steel, stone and brick, probably 3 story, plain foundation. $600,000.

Ont., Bradford—School—D. R. Franklin, archt., 587½ Yonge St., Toronto, soon takes bids 2 story and basement, steel and concrete, plain foundation, for Bd. Educ., here. $150,000.

Ont., Windsor—School—Pub. School Bd., plans 6 story addition to Victoria Ave. School and 8 room school on Assumption St., rein.-con., brick and steel, plain foundation. $200,000-$250,000. G. A. Courtenay, 1467 Dougal Ave., secy. Engineer and architect not selected.

BIDS DESIRED

Conn., Hartford—High School—Aug. 21, by Bd. Contr. & Supply, 3 story and basement, brick, stone, concrete and steel, plain foundation, Maple Ave. $1,500,000. E. T. Wiley, 75 Pratt St., archt. F. I. Cooper Corp., 983 Main St., associated archts. Noted May 4.

N. Y., Amsterdam—High School—Aug. 15, by Bd. Educ. for Junior High School, Guy Park Ave. $450,000. G. L. Lockhart, Inc., L. H. Niles and H. F. Daly, 15 East Main St., archts.

N. Y., New York—Loft—I. Goldberg, c/o G. & E. Blum, archts. and engrs., 505 5th Ave., will build brick, steel and stone, plain foundation, 107 West 38th St. $200,000. Work will be done by separate contracts under supervision of architects. Noted May 31.

N. Y., New York—School—July 24, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, addition to P. S. 30, East 141st St. and Brook Ave., here. Noted July 12.

N. Y., Syracuse—School—Aug. 6, by Bd. Contr. & Supply, constructing Danforth Normal School, 2 story and basement, 166 x 257 ft., brick, stone, steel and concrete and rein.-con., West Kennedy St. $400,000. Randall & Vedder, S. A. K. Bldg., archts. Noted July 12.

N. Y., Troy—Health Center—July 21, by Bd. Contr. & Supply, 2 story and basement, 38 x 60 ft., brick and steel, plain foundation, State St. $155,000. F. J. Morgan, 30 2nd St., archt.

N. Y., Troy—Police, etc.—July 25, by Bd. Contr. & Supply, 3 story and basement, 130 x 155 ft., headquarters for Police, Fire and Water Depts., brick and steel, plain foundation, State St. $300,000. M. F. Cummings & Son, State Bank Bldg., archt. M. F. Roche, City Hall, engr.

Md., Baltimore—Business—July 20, by Southern Supply Co., Calvert and Saratoga Sts., 4 story, 78 x 100 ft., concrete, plain foundation. $150,000. J. W. Lee, 201 Water St., Norfolk, Va., archt.

Md., Baltimore—School—July 23, by Calvert Primary School, Inc., 10 West Chase St., 2 story, 110 x 160 ft., concrete and brick, University Circle and 40th St. $200,000. L. H. Fowler, 347 North Charles St., archt.

La., New Orleans—Clubhouse—Aug. 10, by Building Com. B.P.O.E. 30, Elks Pl., reconstructing clubhouse, destroyed by fire. $175,000-$200,000. R. DeBuys, Hibernia Bank Bldg., archt. E. A. Christy, City Hall annex, associated archt.

Tenn., Knoxville—School, etc.—Aug. 16, by L. S. Pope, dir. institutions, Nashville, school building, dormitory and power plant at State Deaf and Dumb School, here. $250,000. Marr & Holman, Stahlman Bldg., Nashville, and Barber & McMurray, Burwell Bldg., Knoxville, archts.

Tenn., Nashville—Hospital, etc.—Aug. 14, (change of date) by J. H. Kirkland, chancellor of Vanderbilt University, 337 x 458 ft. hospital and laboratory, also nurses' home, power plant and laundry, brick and rein.-con., on Campus, $2,000,000. Coolidge & Shattuck, 122 Ames Bldg., Boston, archts. Noted June 28.

Tenn., Nashville—Office—Aug. 16, by Nashville, Chattanooga & St. Louis Ry., 1000 Bway., 8 story, brick, steel and rein.-con., 10th and Broad Sts., by day labor. $250,000. H. McDonald, ch. engr.

O., Cleveland—Commercial and Theatre—E. C. T. Miller, c/o G. M. Hopkinson, archt., Vickers Bldg., taking bids 2 story and basement, 100 x 140 ft., brick, steel and concrete, East 107th St. and Fairmount Ave. $150,000.

O., Cleveland—Store and Office—W. S. Ferguson Co., archts., 1900 Euclid Ave., taking bids and opens same about July 25, 6 story, 43 x 132 ft., brick, steel and concrete, East 9th St. and Vincent Ave., for Seidman Mortgage Co., Discount Bldg. $300,000.

O., Columbus—Journalism, etc.—July 25, by Bd. Trustees Ohio State University, constructing Journalism Building, 2 story and basement, 80 x 117 ft., brick, stone and concrete, $165,000, 1 story, 105 x 290 ft., brick and concrete addition to chemistry building, $65,000, both on campus. J. N. Bradford, c/o owner, archt.

O., Granville—High School—Aug. 9, by C. F. Owens, clk. Bd. Educ., 3 story, 123 x 132 ft., brick, concrete and cut stone. $20,000. F. L. Packard, 16 East Broad St., Columbus, archt.

O., Zanesville—High School—Aug. 13, by C. J. Weaver, clk. Bd. Educ., 3 story, 158 x 190 ft., brick, concrete and cut stone. $225,000. F. L. Packard, 16 East Broad St., Columbus, archt. Noted July 12.

Mich., Detroit—School—July 23, by Bd. Educ., 1354 Broadway Ave., 2 story and basement, 84 x 278 ft., brick, rein.-con. and steel addition to Priest School, Wagner Ave. Will include 90 ft. brick stack. Malcolmson, Higginbottom & Palmer, Industrial Bank Bldg., archts.

Ill., Chicago—Apartment—Leichenko & Esser, archts., 38 South Dearborn St., taking bids 3 story and basement, 103 x 176 ft., fireproof, Madison and Mayfield Sts. $400,000. Owner's name withheld.

Ill., Chicago—Apartment—A. H. Quitsow, archt., 11 South La Salle St., taking bids 3 story and basement, 100 x 150 ft., fireproof, Winthrop and Glenlake Sts. $225,000. Owner's name withheld.

Ill., Chicago—School—Z. T. Davis, archt., 400 North Michigan Ave., taking bids 3 story fireproof addition, Belden and Sheffield Sts., for De Paul University. $300,000.

Wis., Green Bay—Church—Oppenhamer & Obel, archts., Nicollet Bldg., taking bids 2 story and basement, 75 x 167 ft., brick, tile and concrete, plain foundation, for Christ Episcopal Congregation, c/o M. McMurray, pastor, Bellin Bldg. $150,000.

Wis., Milwaukee—Apartment—July 23, by Voelz & Siebert, archts., 86 Michigan St., 4 story, 80 x 100 ft., brick, tile and concrete, plain foundation, Juneau Ave., for Wisconsin Bond & Mortgage Co., 440 Bway. $200,000.

Ia., Conrad—School—July 31, (change of date) by Bd. Educ., 3 story and basement, rein.-con., brick, tile and stone. $150,000. E. F. Grier, Conrad, archt. Noted June 21.

Ia., Le Mars—School—July 26, by Beutler & Arnold, archts., Grain Exch. Bldg., Sioux City, 2 and 3 story and basement, 70 x 216 ft., rein.-con. and brick, for Bd. Educ. $150,000.

Tex., Austin—Biology—Aug. 1, by Bd. Regents, 3 story and basement, 66 x 192 ft., brick, stone and terra cotta, on Campus, for University of Texas. $400,000. H. M. Greene Co., 620 North Texas Bldg., Dallas, archts. Noted July 5.

Tex., Dallas—High School—Aug. 15, by Bd. Educ., 3 story and basement, 200 x 230 ft., brick and concrete, plain foundation, Jefferson and Boundary Sts. $500,000. Dewitt & Lemmon, Southwestern Life Bldg., engrs. and archts.

Tex., Eagle Lake—School—Aug. 15, by School Bd., 2 story, 80 x 140 ft. brick, stone and rein.-con., concrete pile foundation. $150,000. Giesecke & Harris, 406 Littlefield Bldg., Austin, archts. and engrs. Noted July 5.

Wash., Olympia—Capitol—July 31, by State Capitol Comn., constructing main portion Legislative Building of Capitol, (exclusive of dome), Wilder & White, 16 East 41st St., New York City, archts. Noted June 28.

Calif., Centerville—High School—Aug. 11, by Trustees Washington Union High School Dist., 2 story, concrete. $175,000. H. H. Meyers, Kohl Bldg., San Francisco, archt. Noted May 17.

Calif., San Francisco—Apartment—E. E. Young, archt., 2002 California St., receiving bids 5 story and basement, rein.-con., Bway. near Steiner St., for M. Gnecco, c/o architect. $150,000 or more. Noted July 12.

Calif., San Francisco—Store and Office—Marian Realty Co., 1171 Market St., will build 3 story and basement, rein.-con., Market St. near 7th St. $150,000. Work will be done by separate contracts. D. C. Coleman, 1171 Market St., archt.

BIDS RECEIVED

Mass., Lynn—School—Dir. Pub. Wks., 3 story, 100 x 125 ft., rein.-con. and brick, plain foundation, Hood St., from C. H. Cunningham & Son, Main St., $146,850. Archts. est. $170,000.

Pa., Pittsburgh—School—Bd. Educ., Fulton Bldg., 2 story and basement, rein.-con., brick, stone and tile, Boggs Ave., from Pittsburgh Eng. & Constr. Corp., 511 Homewood Ave., $168,941. Noted June 28.

Ia., Des Moines—Clinic—Medical Clinic, 505 Commonwealth Bldg., general contract 4 story and basement, 40 x 125 ft., rein.-con. and brick, 10th and Grand Sts., from Sugarman Constr. Co., 8th and Tuttle Sts., $160,180.

CONTRACTS AWARDED

Mass., Boston—Apartment—Fensgate Realty Trust, 85 Devonshire St., 8 story, brick, stone and steel, plain foundation, 536 Beacon St., to F. J. Van Etten Co., 80 Boylston St.

Mass., Boston—Bank and Office—Old Colony Trust Co., 17 Court St., 9 story, brick and stone, plain foundation, 28-36 Cornhill, to A. C. Whitney, 126 State St. Archts. est. $1,000,000. Noted Apr. 4.

Buildings (Continued)

Mass., Boston—Theatre—W. R. Ross, 42nd St. and 6th Ave., New York City, having plans prepared by A. Rosenstein, 7 State St., 1 story, 70 x 150 ft., brick and steel, Washington and Prospect Sts., here. $200,000.

Conn., Hartford—Apartment— T. J. Morrissey, 737 Farmington Ave., West Hartford, had plans prepared by G. H. Mathews, 48 Campbell St., 4 story, brick, plain foundation, Owen St. $200,000.

Conn., Hartford—Office—Judd & Co., 750 Main St., 9 story, 70 x 82 ft., brick and steel, plain foundation, Lewis and Pearl Sts., to M. Eidlitz & Sons, 750 Main St. Archts. est. $300,000.

Conn., Stamford—Temple—Masonic Hall Corp., 125 Atlantic St., 3 story, 62 x 140 ft., granite and steel, plain foundation, to T. J. Pardy Constr. Co., 1481 Seaview Ave., Bridgeport. Archts. est. $200,000. Noted May 31.

N. Y., Arverne (Far Rockaway, P. O.)—School—Bd. Educ., 500 Park Ave., New York, P. S. 42, East 66th St., here, to Hayson Constr. Co., 44 Court St., Brooklyn, $719,000. Noted July 12.

N. Y., Hudson — School — Bd. Educ., masonry contract 2 story, 78 x 134 ft., brick, 3rd and Robinson Sts., to C. Crowley, 114 3rd St., Troy, $40,000; carpentry work to Nial Bros. Constr. Co., Douw St., Troy, $40,000.

N. Y., Jamestown—Hotel—Hotel Jamestown, Inc., 3rd and Cherry Sts., 10 story, brick, steel and stone, plain foundation, to Hunkin-Conkey Co., New Century Bldg., Cleveland, $862,892. Noted June 7.

N. Y., New York — Apartment — Fifty Nine-Sixty Five West 71st St. Corp., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., will build 9 story, 80 x 85 ft., brick, steel and stone, plain foundation, West 71st St., by day labor.

N. Y., New York—Apartment—Kar Realty Corp., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., will build 4 story, brick, steel and stone, plain foundation, 348 West 84th St., by day labor. $200,000.

N. Y., New York—Apartment—Otto Realty Corp., c/o Rouse & Goldstone, archts. and engrs., 512 5th Ave., will build 12 story, 100 x 125 ft., brick, steel and stone, plain foundation, 251 West 80th St., by day labor.

N. Y., New York—Apartment—R. & H. Realty Co., Inc., c/o Gronenberg & Leuchtag, archts. and engrs., 450 4th Ave., will build 6 story, brick, steel and stone, plain foundation, Fort Washington Ave., by day labor. $250,000.

N. Y., New York—Bank—Manhattan Savings Bank, 644 Bway., 5 story, 50 x 90 ft., brick, steel and stone, plain foundation. East 86th St., to Clough-Bourne Co., 101 Park Ave. Archts. est. $300,000.

N. C., Greenville—College—State, constructing college buildings at East Carolina Teachers' College, here, to J. E. Beaman Constr. Co., Commercial Bank Bldg., Raleigh, $1,025,000. Noted Mar. 29.

N. C., Kinston—Hospital, etc.—Caswell Training School, erection and completion of hospital, boys' industrial building, girls' industrial building, laundry, cold storage building, mule barn and implement shed, to W. P. Rose, Goldsboro, $358,000. Noted May 31.

N. J., North Caldwell (Caldwell P. O.)—Prison—Essex Co. (Newark) general contract 4 story, 44 x 115 ft., here, to G. C. Marsted, 532 Bloomfield Ave., Verona, $31,915; cell work, to Pauly Jail Building Co., 1270 Bway., New York City, $156,398. Noted May 24, under "Newark."

Pa., Clairton—School—Bd. Educ., remodeling and building 2 story and basement, 48 x 75 ft. brick and stone, 3rd St., to E. H. Cannon, Ruben Bldg., McKeesport. Archts. est. $150,000. Noted Mar. 15.

Pa., Clearfield — Church — West Side Methodist Episcopal Church, 1 story and basement, 60 x 84 ft. and 50 x 100 ft., to C. V. Hobaugh, Butler. Archts. est. $150,000. Noted May 17.

Pa., Swissvale—Office and Apartment—F. S. Wallace, 4 story and basement, 32 x 45 x 85 ft., brick and steel, Washington and Noble Sts., to J. Wallace, 7634 Westmoreland St. $150,000.

Md., Baltimore — Apartment — B. L. Brown, 10 story, 70 x 132 ft., concrete and brick, plain foundation, Charles and 34th Sts., to Weller Constr. Co., 816 14th St., Wash., D. C. Archts. est. $850,000. Noted July 12.

Fla., Miami—Hotel—E. R. Smith, Banyan Pl., 6 story, 90 x 90 ft., rein.-con., plain foundation, Northeast 1st Ave. and 10th St., to Wolf Constr. Co., Miami, cost plus percentage basis. Archts. est. $175,000.

Ala., Birmingham—Apartment—Highland Apartment Co., 8 story and basement, 100 x 195 ft., brick, steel and stone, Highland Ave. and Elm St., to Smallman & Brice, 1115 Ave. E., $800,000.

La., Baton Rouge—Library—State University constructing Hill Memorial Library, new University site, to J. V. and R. T. Burkes, Carondelet Bldg., New Orleans, $247,913.

La., Baton Rouge—Office and Store—Elks Theatre Co., Ltd., 4 story, fireproof, 3rd St. and Florida Ave., to Stewart & McGehee Constr. Co., Kahn Bldg., Little Rock, Ark. Archts. est. $200,000.

Tenn., Nashville—Temple—Scottish Rite Masonic Temple, general contract stone, brick, rein.-con. and steel, 7th and Broad Sts., to Hugger Bros., Constr. Co., Bell Bldg., Montgomery, Ala., $600,000. Noted June 21.

O., Athens—High School, etc.—Bd. Educ., 2 story and basement, to B. Davidson, Athens, $243,000; general contract for grade school, to Murch Bros. Contg. Co., Ry. Exch. Bldg., St. Louis, Mo., $19,500. Noted May 24.

O., Cleveland — Apartment — Larkspur Apartment Co., c/o G. A. Grieble, archt., Sloan Bldg., 8 story, 50 x 142 ft., brick, steel and concrete, 2338 Euclid Ave., to Crofts Constr. Co., Sloan Bldg. Archts. est. $500,000.

O., Cleveland—Hotel—S. E. Dettlebach, Williamson Bldg., 16 story, 132 x 200 ft., brick, steel and concrete, East 12th St. and Walnut Ave., to Crafts Constr. Co., Sloan Bldg. Archts. est. $3,000,000.

O., Cleveland—Schools—Bd. Educ., East 6th St. and Rockwell Ave., general contract, 1 and 2 story, 172 x 306 ft. and 33 x 78 ft., brick, steel and concrete school and boiler house, 4091 East 146th St., to C. Peterson Co., 4500 Euclid Ave., $483,000, steam heating system, to Feldman Bros., 10309 Barrett Ave., $73,243; general contract 1 and 2 story, 172 x 306 ft. and 33 x 78 ft., brick, steel and concrete school and boiler house, 10800 Sandusky Ave., to Drummond-Miller Co., 7500 Euclid Ave., $493,585, steam heating system, to Feldman Bros., 10309 Barrett Ave., $73,243. Noted July 5.

O., Cleveland—Sunday School and Recreation—Pearl Rd. Methodist Episcopal Church, 3528 Muriel Ave., 4 story, 50 x 150 ft., brick and steel, to F. H. Vogel, Ridge Rd. Archts. est. $150,000.

O., Lorain—Hospital—St. Joseph Hospital, 4 story, 91 x 111 ft., brick, steel and concrete addition, to A. J. Leighton, Lorain. Archts. est. $200,000.

Ill., Maywood—Apartment—J. Dornbach, c/o R. F. France, archt., 155 North Clark St., Chicago, 3 story and basement, 120 x 160 ft., fireproof, Lexington and 5th Aves., to J. M. Ward, 309 South LaSalle St., Chicago. Archts est. $200,000.

Wis., Milwaukee — Apartment — S. N. Loftus, 3018 Wells St., 3 story and basement, 46 x 100 ft., brick and concrete, plain foundation, Grand Ave. and 32nd St., to Kohl & Keating, 428 Grand Ave. Archts. est. $150,000.

Wis., Milwaukee — Store — Kunzelmann-Esser Co., 460 Mitchell St., 4 story, 60 x 82 ft., brick and timber addition, plain foundation, to S. Czaplewski, 878 2nd Ave. Archts. est. $150,000. Noted July 28.

Wis., Wausau—Apartment — McEachron Apartment Co., 812 Franklin St., 3 story and basement, 48 x 100 ft., brick, tile and concrete, plain foundation, Franklin St., to Wisconsin Eng. & Constr. Co., 315 Jefferson St. Archts. est. $150,000.

Ia., Oelwein—High School—School Bd., general contract 2 story and basement, rein.-con., brick and stone, plain foundation, to Spencer Constr. Co., Spencer, $125,800; heating and plumbing, to C. F. Rock Plumbing and Heating Co., 115 North 8th St., St. Joseph, Mo., $35,985. Archts. est. $200,000. Noted June 14.

Minn., St. Paul—School—Bd. Educ., 3 story and basement, rein.-con., brick and tile, Wacouta, Sibley, 10th and Spruce Sts., general contract to Lindstrom & Anderson, 206 Bremer Arcade, $184,704. Noted June 28.

Colo., Denver,—Store, etc.—Bishop Cass Bldg. Co., Amer. Theatre Bldg., 3 story, 100 x 125 ft., store and loft, concrete, brick and terra cotta, 16th and Curtis Sts., to C. S. Lambie, Tramway Bldg., $275,000.

Calif., Compton—Bank and Office—First Natl. Bank, 2 story and basement, rein.-con. and brick, to Alexander Constr. Co., 260 South Pacific Blvd., Huntington Park, $150,000.

Calif., Huntington Beach—School—Huntington Beach School Dist., 1 and 2 story, brick, general contract to Ridenour Bros., Huntington Beach, $176,726. Noted July 12.

Calif., Long Beach—Store and Office—Kent, Marshall & Belt, 109 Locust St., 3 story, brick, concrete and steel, East 1st St., to J. D. Sherer, 1865 East Anaheim Ave., $165,000.

Calif., Los Angeles — Store and Office — Professional Building Corp., c/o W. S. Hebard, archt., I. W. Hellman Bldg., 8 story and basement, rein.-con., St. Paul and 6th Sts., to Winter Constr. Co., Railway Bldg., $750,000.

Calif., San Diego—Theatre and Office—Balboa Theatre Building Co., rein.-con. theatre and office, to Wurster Constr. Co., 2136 Arctic St., $645,000. Noted May 3.

Calif., San Francisco—Apartment—R. J. O'Brien, 608 Alexander Bldg., 6 story and basement, rein.-con., Eddy St. near Jones St., to Kiernan & O'Brien, 1756 Mission St., $150,000. Noted May 3.

Que., Montreal—Office—Keefer Realty Co., 696 St. Catherine St., W., 14 story, 103 x 122 ft., rein.-con., brick, steel and stone, St. Catherine St., to Thompson & Starrett Co., Drummond Bldg., $500,000. Noted July 5.

Federal Government Work

PROPOSED WORK

N. Y., Dunkirk—Superstructure—U. S. Engineer, Federal Bldg., Buffalo, rejected bids stone superstructure on breakwater, here. This correct reports in June 14 issue.

California—Road—U. S. Bureau Pub. Rds., 9 Main St., San Francisco, had plans prepared improving 15 mi. road in Calaveras Co., 175,000 cu.yd. excav. and approximately 16,000 yd. rock surfacing. C. H. Sweetser, dist. engr.

Calif., San Diego—Light System, etc.—Spec. 4821—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans light, power and telephone systems, at Destroyer Base, here.

Calif., San Diego—Storehouse—Spec. 4809—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans storehouse for paint and oil, here.

T. H., Pearl Harbor—Bins and Trestle—Spec. 4772—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans storage bins and trestle, here.

BIDS DESIRED

W. Va., Wheeling—Lookout—Aug. 16, by J. A. Wetmore, acting superv. archt., Wash., D. C., lookout at Post Office, here.

La., New Orleans—Jetty—Aug. 4, U. S. Engineer, Custom House Bldg., approximately 1,300 ft. extension to headland jetty, at mouth of Mississippi River from South and Southwest Pass, approximately 94 mi. south of here, involving 20,000 ft. creosoted piling, Part 1, 10,000 ft. creosoted piling, 10,000 creosoted timber, 5,000 cords brush, 450 tons rip rap, Part 2, 55,000 sq.yd. facine mattresses, 8,700 tons rip rap stone, 16,000 ft. creosoted piles. $1,300,000 appropriated.

La., New Orleans—Stamp Cages, etc.—Aug. 13, by J. A. Wetmore, acting superv. archt., Treas. Dept., Wash., D. C., parcel post stamp cages, etc., in new Post Office, here; adv. this issue.

Ky., Louisville—Lumber—July 23, by Dist. Engineer, P. O. Box 72, furnishing yellow pine sound No. 1 common about 400,000 ft., main items 1,300 pieces 6 in. x 8 in. x 20 ft., 250 pieces 4 in. x 6 in. x 20 ft., 120 pieces 2 in. x 4 in. x 10 ft., 62 pieces 1 in. x 12 in. x 8 ft., f.o.b. Owensboro.

Mich., Port Huron—Lookout—Aug. 9, by J. A. Wetmore, acting superv. archt. Treas. Dept., Wash., D. C., lookout, here; adv. this issue.

Ill., Chicago—Removal of Pile Protection—Aug. 10, by U. S. Engineer, 537 South Dearborn St., removal of pile protection in Chicago Harbor; adv. this issue.

Utah, Zion National Park (Springdale P. O.)—Road—Aug. 14, by G. E. Goodwin, ch. civil engr., National Park Serv., constructing and reconstructing about 7.5 mi. road, A. B. Cammerer, acting dir. National Park Serv.; adv. this issue.

Ia., Knoxville—Buildings—Aug. 14, by Director U. S. Veterans Bureau in office of Quartermaster General, 2306 Munitions Bldg., Wash., D. C., additional buildings at U. S. Veterans' Hospital 57, here.

Kan., Fort Scott Mailing Shed—Aug. 8, by J. A. Wetmore, acting superv. archt. Treas. Dept., Wash., D. C. mailing shed for Post Office, here.

Wash., Seattle—Removal—Aug. 6, by U. S. Dist. Engineers, Burke Bldg., removal of 399,000 cu.yd. earth along north side of Lake Washington Canal from locks to Puget Sound, also removing 978,000 cu.yd. from

Federal Government Work (Continued)

canal from locks out to Puget Sound. W. J. Barden, col. of engrs.

T. H., Pearl Harbor—Storage Bins, etc.—Spec. 4772—Sept. 12, by Bureau Yards & Docks, Navy Dept., Wash., D. C., storage bins and trestle, here.

BIDS RECEIVED

Mich., Keeneenaw—Repairs—U. S. Engineer, Duluth, Minn., repairs to west breakwater, upper entrance, Keeneenaw Waterway, here, from T. I. Durocher Co., Detour, $40,001.

CONTRACTS AWARDED

N. Y., New York—Extension—J. A. Wetmore, acting superv. archt., Wash., D. C., extension to delivery platform at Appraisers Warehouse, here, to C. L. Dooley Co., 257 Adelphi St., Brooklyn, $5,122 (60 days).

Va. Yorktown—Power Plant Equipment—Spec. 4,826—Bureau Yards & Docks, Navy Dept., Wash., D. C., power plant equipment, at Navy Mine Depot, here, to Noland-Clifford Co., 322 28th St., Newport News, Va., $16,265 (150 days). Noted July 5.

Ala., Florence—Sluice Valves, etc.—U. S. Engineer, sluice valves, etc., for Wilson Dam, here, Lot 1 to Wheeling Mold & Fdry. Co., Peninsula St., Wheeling, W. Va., $253,-893; Lot 2 to Riter-Conley Mfg. Co., Leetsdale St., Pittsburgh, Pa., $44,380; Lot 3 to J. and J. B. Milholand Co., 714 5th Ave., Pittsburgh, Pa., $2,040. Noted May 3.

Ky., Frankfort—Remodeling-etc.—Treas. Dept., Wash., D. C., remodeling and extension to Post Office and Court House, here, to C. E. Wright, Inc., Monadnock Blk., Chicago, $3,190 (60 days). Noted June 14.

Minn., St. Cloud—Stack—Spec. 4833—Bureau Yards & Docks, Navy Dept., Wash., D. C., radial brick stack, here, to W. Summerhays & Sons, 1 Exchange St., Rochester, N. Y., $9,145 (200 days). Noted May 18.

Tex., Galveston—Jetty—U. S. Engineer, jetty repairs, Sabine Pass, to D. M. Pictor & Co., Inc., Port Arthur, $291,070. Noted July 12.

Miscellaneous

PROPOSED WORK

Loading Platform — Hartford, Conn.—New York, New Haven & Hartford R.R., Union Station, plans loading platform, rein.-con. and steel. $50,000. E. Gagel, ch. engr.

Power Development—Altmar, N. Y.—Niagara, Lockport & Ontario Power Co., Niagara Falls, and Marine Bank Bldg., Buffalo, having plans prepared for additional hydro-electric developments, on Salmon River, here, to include brick, concrete and steel power houses, concrete dams, penstocks, etc. To exceed $1,000,000. H. C. Church, Buffalo, ch. engr.

Oil Well Drilling—Jamestown, N. Y.—T. Neil, Jr. plans oil and gas well drilling near here. $25,000.

Grain Elevator—Oswego, N. Y.—State had plans prepared grain elevator, rein.-con., on 69 x 213 ft. site, to provide storage for 1,000,000 bu. to consist of 27 circular concrete bins each 20 ft in diameter and 90 ft. high, with 16 interstice bins and 20 outside bins; 2 movable marine towers, 158 ft. high, 24 ft. wide and 30 ft. long, each tower to unload 16,000 bu. per hr.; train shed to cover 2 standard gauge tracks with 3 cars on each track, also constructing welfare and administration building, etc., here. $1,000,000. F. La Du, 158 State St., Albany, state engr.

Hydro-Electric Development—Watertown, N. Y.—Power Corp., of New York, Light and Power Bldg., arranged to purchase Soft Maple Dam Site, on Beaver River, and plans hydro-electric development of 6,000 hp., to include power house, concrete dam, penstock, high tension transmission line, etc. To exceed $500,000. Address W. P. McCreager, Northern New York Trust Co. Bldg., ch. engr.

Gas Main—Erie, Pa.—Pennsylvania Gas Co. plans new 10 in. low pressure gas main through city. $25,000. F. Krum, Mgr.

Stadium—Baton Rouge, La.—Greater Agricultural College having plans prepared by T. Link, c/o owner, rein.-con. stadium, on campus. $250,000.

Cement — Missouri — See "Industrial Works."

Tourist Resort—Port Angeles, Wash.—See "Buildings."

Dock—Los Angeles, Calif.—Southern Pacific Co., Southern Pacific Bldg., San Francisco, having plans prepared 26 x 440 ft. automobile dock, rein.-con. and steel, here. $85,000. Private plans.

Grain Elevators—Los Angeles, Calif.—California Milling Co., c/o Hamm & Grant, engrs., Ferguson Bldg., having plans prepared grain elevators, probably 6, rein.-con., 15 ft. diameter, approximately 90 ft. high, 55th and Alameda Sts.

Street Equipment—Oakland, Calif.—City will appropriate $18,000 to purchase equipment for Street Dept. E. K. Sturgis, clk.

Asphalt Plant—Santa Barbara, Calif.—Santa Barbara Co. plans asphalt plant. O. O'Neill, co. surv.

Oil Storage Tank—Ford, Ont.—Imperial Oil Co., Ltd., Imperial Oil Bldg., Toronto, plans 429,000 gal. oil storage tank, steel, St. Lukes Rd., here. $35,000.

Pier—Hamilton, Ont.—Hamilton Harbor Comn., 47½ Main St. E., preparing plans new piers at Burlington Beach. $55,000.

Oil Tanks, etc.—Sarnia, Ont.—Imperial Oil Co., plans to rebuild tanks and replace equipment destroyed by fire. Loss $60,000. C. Stillman, mgr.

Arena—Niagara Falls, Ont.—Niagara Falls Arena, Ltd., soon takes bids 258 x 270 ft. arena, Victoria Ave. $55,000. Architect not announced. Noted June 22, 1922.

Pier and Dredging—Darthmouth, N. S.—Dominion Government, Ottawa, soon takes bids pier and dredging, here. $75,000. Dept. of Marine, Ottawa, engrs.

BIDS DESIRED

Coal Handling System—Everett (Boston P. O.), **Mass.**—July 20, by E. Dana, genl. mgr. Boston Elevated Ry. Co., 108 Massachusetts Ave., Boston, furnishing, delivering and erecting coal handling system complete in power house of Everett shops, Bway. $50,000.

Heating and Ventilating Apparatus—New Brighton, N. Y.—July 27, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, heating, ventilating and temperature regulation apparatus, for addition to Curtis High School, Hamilton Ave. and St. Marks Pl., here.

Heating and Ventilating Apparatus, etc.—Brooklyn, N. Y.—July 27, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., heating, ventilating and temperature regulating apparatus, in P. S. 100, West 3rd St., 317 ft. south of Sheepshead Bay Rd., also in P. S. 190, Sheffield Ave., 100 ft. south of Riverdale Ave.

Heating and Ventilating Apparatus, etc.—Arverne (Far Rockaway, P. O.), **N. Y.**—July 27, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, heating, ventilating and temperature regulating apparatus in P. S. 42, Beach 66th and Thursby Sts., here.

Pier Shed—New York, N. Y.—July 30, by J. H. Delaney, comr. Docks, Pier "A" North River, constructing West 44th St. Pier Shed, North River, Contr. 1810.

Underground Fire Alarm System — New York, N. Y.—July 24, by T. J. Drennan, fire comr., Municipal Bldg., portion of underground fire alarm system in Bronx Boro.

Heating and Ventilating System, etc.—Lewistown, Pa.—July 30, by Bd. Educ., new heating and ventilating system in Waye St. building and annex, also new 1 story, and part basement, 40 x 50 ft. boiler house. $40,000. G. T. Cooper, pres. Kast & Kelker, Harrisburg, archts.

Pier—Phila., Pa.—July 27, in Room 211, Municipal Pier 4, South Wharves, foot of Chestnut St., completing Porter St. Pier 84, South Wharves. G. F. Sproule, dir.; adv. this issue.

Piping—Columbus, O.—July 25, by Bd. Trustees Ohio State University, piping between Olentangy River and condenser in boiler house at University, either concrete or segmental sewer pipe. $30,000. J. N. Bradford, c/o owner, engr.

Clay Floor Tile—St. Paul, Minn.—July 23, by H. W. Austin, city purch. agt., 28,500 6 in. x 6 in. clay floor tile not less than ⅜ in. thick. G. M. Shepard, city engr.

Paving Materials—St. Paul, Minn.—July 23, by H. W. Austin, city purch. agt., 18,790 sq.yd. 3 in. vertical fibre brick, 25,290 bbl. cement, 15,415 cu.yd. crushed rock or gravel for concrete base, 9,249 cu.yd. concrete sand, 225,780 lb. asphalt filler, 705 tons limestone dust, 2,890 cu.yd. crushed rock, 2,223 cu.yd. screened sand, 260 tons asphalt, for 6th St. between Smith and Summit Aves. (postponed from July 16), Minnehaha and Front Sts., Pleasant and Cleveland Aves. G. M. Shepard, City engr. Noted July 12.

Pipe—Dallas, Tex.—Wear & Thomas, 106 Gaston Bldg., taking bids 10,000 ft. of 1,800 lb. pressure 2 in. pipe, also grading outfit and two 10 ton gas road rollers.

Pipe — Ennis, Tex. — C. M. Thomas, mayor, taking bids 16,000 ft. 10 in. iron pipe.

BIDS RECEIVED

Bituminous Road Material, etc.—New York, N. Y.—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., July 12, bituminous road surfacing material, from Barrett Co., 40 Rector St., $3,300; asphaltic cement, from Warner-Quinlan Co., 79 Wall St., $6,288; asphalt wearing surface sand, from C. and C. Contg. Co 324 Jay St., Brooklyn, $6,030. Noted July 5.

Cement—Baltimore, Md.—Bd. Awards, supplying cement, from R. S. Green, Inc., 3232 Frederick Ave., $27,900. Noted July 5.

Deck — New Orleans, La. — Bd. Port Comrs., 200 New Court Bldg., July 12, concrete deck for Poland St. Dock, 1,590 cu.yd. concrete, 4,300 lb. curb angle, etc., from J. M. De Fraites, 620 State St., $38,811. Noted July 5.

Foundation — Racine, Wis. — Memorial Hall Comn. plain foundation for 1 and 2 story, 180 x 200 ft., brick and concrete auditorium, from Bondgard & Christensen, Mound Ave. and Mead St., $49,994. Total $300,000.

Ornamental Lighting System—Los Angeles, Calif.—Ornamental lighting system in Hollywood Blvd. between Vermont and Vine Sts., from Paulson Constr. Co., Detwiler Bldg., $83,983.

Fuel Oil—New Orleans, La.—Bd. Port Comrs., 200 New Court Bldg., July 12, 25,000 bbl. fuel oil, from Natl. Petroleum Co., Carondelet Bldg., $1.29 per bbl.

CONTRACTS AWARDED

Elimination of Grade Crossing—Jamestown, N. Y.—Erie R.R., 50 Church St., New York City, elimination of grade crossing on Main St., (portion of work), to A. McMullen & Co., 50 Church St., New York City, $134,946, balance to be done by separate contracts. Engrs. est. about $900,000.

Foundation — Baltimore, Md. — Consolidated Gas, Electric Light and Power Co., Constitution St., concrete foundation for gas plant, to Whiting-Turner Constr. Co., Stewart Bldg., $35,000.

Mechanical Equipment—Goldsboro, N. C.—State Hospital Comn., Raleigh, to B. MacKenzie, Greensboro, heating mains with trunk line and steam main connections in Women's Receiving Building and extension to McKinne Bldg., at State Hospital, here, $27,900; steam main piping and trunk lines, heating and ventilating equipment, distributing mains and connections, power plant piping and apparatus with boiler fittings and connections for one battery of three boilers, at State Hospital, here, $81,-998.

Shed — New Orleans, La. — Bd. Port Comrs., 200 New Court Bldg., furnishing and erecting 227 tons structural steel in superstructure of Poland St. shed, and 19 tons steel in bridge extension, to Converse Bridge Co., Chattanooga, Tenn., $27,687; 4,500 sq.ft. still rolling doors, to Kinnear Mfg. Co., Hibernia Bank Bldg., $7,798. Noted July 12.

Heating and Ventilating Apparatus—Cincinnati, Ohio—Bd. Educ., 511 West Court St., heating and ventilating apparatus in Hughes High School, to Williamson Heater Co., 335 West 5th St., $36,190; Hartwell Public School, to Sodemann Heat & Power Co., 2306 Morgan St., St. Louis, Mo., $43,-447. Noted July 12.

Extending Coal Dock—Duluth, Minn.—Inland Coal & Dock Co., 50th Ave. W., extending coal dock, rein.-con. on pile and concrete foundation, to R. C. Buck, Inc., 15 United States First Natl. Bank Bldg., Superior, Wis. $80,000.

Materials—St. Paul, Minn.—H. W. Austin, city purch. agt., 40 tons pig lead in 100 lb. pigs, to Nassau Smelting & Refining Co., 603 West 29th St., New York City, $5,820; 253 bbl. portland cement, to Corning-Donohue Brick Co., 614 Ryan Bldg., $2.70 per bbl. without sacks (subject to 2 per cent discount if paid within 10 days); 800 sq.yd. sandstone blocks, to Sandstone Quarries Co., 510 Plymouth Bldg., Minneapolis, $2.74 per sq.yd. f.o.b. cars St. Paul. Noted June 28.

Cable—St. Louis, Mo.—Southwestern Bell Telephone Co., Boatmen's Bank Bldg., will construct 19,365 ft. aerial and 22,400 ft. underground cables in Riverside Dist., by day labor. $85,000.

Conduit, etc.—Dallas, Tex.—Dallas Light & Power Co., Interurban Bldg., making plans underground conduit system in central portion of city. $300,000. H. Oram, ch. engr.

Culverts — Walkerton, Ont. — Bruce Co., 20 concrete and rein.-con. highway culverts, about 2,000 cu.yd. concrete, to W. Mackenzie, Wiarton. Cement and steel will be purchased by owner through G. E. Stephenson, co. engr. Engrs. est. $35,000.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ADVERTISEMENTS ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE.

OFFICIAL PROPOSALS

Bids: Aug. 16.

Enlargement of Water Filtration Plant

Evanston, Ill.

Sealed proposals endorsed "Proposal for Enlargement of Water Filtration Plant," will be received by the Commissioner of Public Works for the Mayor and City Council of Evanston, Illinois, until 10:30 o'clock (daylight saving time) a.m., on the 16th day of August, 1923, and will then be publicly opened and tabulated for presentation to the City Council.

The work for which proposals are invited includes the following divisions.

DIVISION A.—Filter Equipment and Piping:—All inside and outside piping, filter equipment, valves, operating tables, filter sand and gravel, chemical feed pipes and all appurtenances to furnish and erect complete, six (6) filter units each with a capacity of two million gallons per 24 hours.

DIVISION B.—Construction Work:—Coagulating basins, mixing basins, filters, filtered water basin, concrete conduits, sewers, filter house and excavation and appurtenances.

The work is located adjacent to the present water filtration plant on land owned by the City of Evanston, near Sheridan Road and Lincoln Street.

Each proposal must contain the full name of every person interested in the same and must be accompanied by cash or a certified check on a State or National Bank in good standing, made payable to the City of Evanston, Illinois, in the following amounts:

Division A	$5,000
Division B	7,500
Divisions A and B	12,000

This sum is a guarantee that if a proposal is accepted, a contract will be entered and its performance properly secured.

Upon the complete execution of said contract by the bidder when said contract is awarded, in accordance with all the terms and conditions thereof, and upon the approval of the bond on said contract by the Commissioner of Public Works of said City of Evanston all of said sums deposited with proposals on the work so awarded will be returned to the prospective bidders.

Proposals may be made upon one division or both divisions, complete, but not on any part of either division.

All proposals must be made upon blank forms furnished by the City of Evanston and in accordance with the "Requirements for Bidding and Instructions to Bidders" attached thereto.

The City of Evanston reserves the right to reject any or all bids, waive or not waive any informality in the bids received and to accept or reject such items and divisions of the work as it deems most favorable to the City of Evanston.

Requirements for bidding, instructions to bidders, form of proposal, contract, specifications, form of bond and plans may be obtained from the Commissioner of Public Works at the City Hall in Evanston, or at the offices of Pearse, Greeley and Hansen, 39 West Adams Street, Chicago, Illinois, upon deposit of fifteen dollars ($15.00), which sum so deposited will be refunded if said plans, specifications, etc., are returned in good condition within thirty (30) days after the opening of bids.

Dated the 19th day of July, A.D., 1923.

CITY OF EVANSTON,
By HARRY P. PEARSONS,
Mayor.

Attest: JOHN F. HAHN,
City Clerk.

OFFICIAL PROPOSALS

Bids: July 30.

Paving

CONTRACT NO. 60

Bronxville, N. Y.

Sealed bids for paving Bronx River Parkway Drive between Tuckahoe Road, Tuckahoe, and Harney Road, Scarsdale, N. Y., will be received by the Bronx Parkway Commission at its office, 72 West Pondfield Road, Bronxville, N. Y., until 11:45 A. M. July 30, 1923.

The average width of the driveway will be 40 feet; a portion of which is divided into two 20-ft. driveways, and the total area to be paved is about 60,000 square yards.

Bids will be received on the basis of furnishing any of the following types of pavement:—

(a) Asphalt block on a concrete base.
(b) Bituminious concrete, Type "A" on a concrete base.
(c) Bituminous concrete, Type "B" on a concrete base.
(d) Bituminous concrete, Amiesite process, on a concrete base.

Bidders may submit alternative bids on any or all types as they may elect. They may also submit bid for the fine grading and concrete base alone or for the asphalt surfacing alone. The Commission expects to select the type of surface pavement which will, in its judgment, give the greatest return for the money expended.

The right is reserved to reject any or all bids.

Pamphlets containing Information for Bidders, Form of Proposal, Specifications and Contract Drawings may be obtained by intending bidders at the above address by depositing $5.00 for each copy of the pamphlet, including drawings.

BRONX PARKWAY COMMISSION,
By L. G. HOLLERAN,
Deputy Chief Engineer.

Dated: Bronxville, N. Y.
July 9th, 1923.

Bids: July 20.

Highway Work

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock p.m. advanced standard time which is twelve o'clock noon eastern standard time, on Friday, July 20, 1923, for the improvement, reconstruction and completon of highways in the following counties:

Albany	(2 reconstruction: 3.78 & 0.60)
Allegany	(1 completion: 2.29)
Erie	(1 reconstruction: 2.45)
Herkimer	(1 improvement: 0.53)
Jefferson	(1 improvement: 3.38)
Monroe	(1 reconstruction: 2.65)
M'tgomery	(1 reconstruction: 1.65)
Oneida	(1 reconstruction 6.16 and 1 completion 2.75)
Steuben	(1 reconstruction 2.24)
Sullivan	(1 improvement 5.25)
Suffolk	(1 reconstruction 1.72)
Wyoming	(1 completion 0.89)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Bureau in Albany, N. Y., and also at the offices of the division engineers in whose division the roads are to be improved, reconstructed or completed. The addresses of the division engineers and the counties in which they are in charge will be furnished upon request.

The especial attention of bidders is called to "General Information for Bidders" in the itemized proposal, specifications and contract agreement.

FRED'K STUART GREENE,
Commissioner of Highways.
W. A. PATTON, Secretary.

OFFICIAL PROPOSALS

Bids: Aug. 2.

Steel Bridge

Trenton, N. J.

NOTICE IS HEREBY GIVEN that sealed bids will be received by the State Highway Commission of New Jersey for the following:

Construction of a three-span steel encased bridge over Lehigh & Hudson River Railway and fill approaches with gravel surface between Station 24 and 44 plus 76 on State Highway Route No. 5, in the Municipality of Independence, County of Warren and State of New Jersey.

Bids for the above will be received at the Assembly Chamber, Trenton, New Jersey, on Thursday, August 2nd, 1923, at 11:00 a.m., Standard Time, and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond form for the proposed work are on file in the office of John L. Vogel, Bridge Engineer, 772 Broad Street Newark, New Jersey, and may be inspected by prospective bidders. Plans will be furnished on a deposit of ten dollars ($10.00) upon application to Mr. John L. Vogel, Bridge Engineer, 772 Broad Street, Newark, N. J. Bids must be made on the standard proposal form in the manner designated therein and as required by the specifications for this work, same to be enclosed in sealed special addressed envelopes, bearing the name and address of the bidder and the work bid upon on the outside, and must be accompanied by a certified check drawn to the order of the State Treasurer, for not less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelope will be furnished on application to Mr. John L. Vogel, Bridge Engineer, 772 Broad St., Newark, N. J. Bids not enclosed in special envelopes will be considered informal and will not be accepted.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of the said specifications conditioned for the faithful performance of the provisions of the contract and specifications.

By order of the State Highway Commission.

A. LEE GROVER, Chief Clerk.

Bids: Aug. 13.

Sewage Disposal Plant, Etc.

CONTRACTS NOS. 2 AND 3

Pensauken, N. J.

Sealed proposals will be received by the Township Committee of the Township of Pensauken, N. J., at the Township Hall, Cove Road and Center Street, on the 13th day of August, 1923, until 8:00 o'clock p.m. (daylight saving time), for the construction of a sewage disposal plant, two sewage pumping stations and approximately 6,700 lineal feet of 20" T. C. sewer.

Each proposal must be accompanied by a certified check, made payable to the Township of Pensauken, for a sum equal to 5% of the amount bid. A bond for 100% of the contract price will be required.

Plans and specifications are on file and may be seen at the office of the Township Clerk, or at the office of the Engineers, Remington & Vosbury, 601 Market Street, Camden, N. J. Complete sets of plans and specifications may be obtained from the Engineers upon deposit of $15.00, of which $10.00 will be refunded upon their return in good condition by August 20, 1923.

The Township reserves the right to reject any or all bids.

ROBERT V. PEABODY,
Township Clerk